

Volume

#

R0538

1

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

A 538

Of the Meridian,

in the State of

EXECUTED BY

Under special instructions dated, 19....., which provided

for the surveys included under Group No., approved

and assignment instructions dated, 19.....

Survey commenced, 19.....

Survey completed, 19.....

INDEX DIAGRAM

Townships 26, 27, 28, 29 & 30 S. Range 14 & 15 E.
T.30 S. T.29 S. T.28 S. T.27 S. T.26 S.

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FIELD NOTES

Of the _____ Meridian,

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Survey commenced _____, 19____

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INDEX DIAGRAM

Township _____, Range _____

T. 26 S.	T. 27 S.	T. 28 S.	T. 29 S.	T. 30 S.
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16E. R. 17E. R. 16E. R. 17E.

R. 16E. R. 17E.

R. 16E. R. 17E.

R. 16E. R. 17E.

**UNITED STATES
DEPARTMENT OF THE INTERIOR
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Township 26 South, Range 16 East

6	5	97	4	3	99	2	97	1
						98		
7	8	96	9	10		11		12
			101					
13	17	96	16	101	15	14		18
			100					
19	20	95	21	22		23		24
25	29	94	28	27		26		25
103	102						93	
31	102	32	94	33	34	35	93	36

INDEX DIAGRAM

Township 26 South, Range 17½ East

0	5	4	3	2	1
7	8	9	10	11	12
13	17	16	15	14	13
19	20	21	22	23	24
25	26	27	28	29	30
31	32	33	34	35	36

Handwritten notes below the table:
Below cell 35: 110
Below cell 36: 112, 111, 109

UNITED STATES
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SA

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INDEX DIAGRAM

Township 27 South, Range 17½ East

6	5	4	3	2	1	123
7	8	9	10	11	12	122
18	17	16	15	14	13	121
19	20	21	22	23	24	120
20	29	28	27	26	25	119
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GPO 856112

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		166			
142	17	164	152	14	18
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142	20	162	150	23	24
		162			
141	29	161	149	26	28
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Township 26 South, Range 19 East

			197	198	198
187 6	5	4	196 3	198 2	201 1
				200	
186 7	8	9	195 10	11	12
		204			
185 13	17	202 16	194 15	14	13
		202			
184 19	20	21	193 22	23	24
183 25	26	28	192 27	26	25
	207				190
182 31	206 32	205 33	191 34	35	189 36
181	180	179	178	177	177

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Survey commenced, 19.....

Survey completed, 19.....

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Township 27 South, Range 18 East

			224	224	224	225	225
6	5	4	222	227	225	1	
			228	227			
7	8	9	222	10	11	12	
			230				
13	17	229	16	221	15	14	13
			220				
19	20	219	21	22	23	24	
29	29	219	28	27	26	25	
		231				217	
31	230	32	218	33	34	216	35

This image shows a single sheet of white paper with horizontal blue or grey ruling lines. A solid vertical line runs down the left side, creating a margin. The paper appears slightly aged or off-white. There are some faint, dark smudges or marks near the top left corner, possibly from a staple or binding. The overall appearance is that of a clean, unused page from a notebook or ledger.

the State of

Circumstance	Justified (%)	Not justified (%)
If someone is attacking you	85	15
If someone is threatening you	75	25
If someone is harassing you	65	35
If someone is insulting you	55	45
If someone is annoying you	15	85

or the surveys included under Group No. _____, approved _____

Survey commenced _____, 19_____

Survey completed _____, 19____

INDEX DIAGRAM

Township 27 South, Range 19 East

244 6	5	4	252 3	254 255 2	257 1
243 7	8	9	251 10	256 11	12
242 16	17	260 259 18	250 15	14	13
241 19	20	257 21	249 22	23	24
241 30	29	28	248 27	26	25
240 31	262 261 32	260 33	247 34	246 35	245 36

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INDEX DIAGRAM

Township 28 South, Range 14 East

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
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Survey completed, 19.....

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Township 28 South, Range 15 East

6	5	4	283	3	286	2	284	1
						285		
7	8	9	283	10		11		12
			288					
13	17	287	16	282	15	14		18
			286					
19	20	21	282	22		23		24
25	29	28	281	27		26		28
290	290							280
31	289	32	288	33	280	34	35	279

FIELD NOTES

in the State of

For the surveys included under Group No. _____, approved _____

Survey commenced _____, 19____

Survey completed _____, 19____

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Township 28 South, Range 16 East

300 6	5	4	305 8	306 2	307 1
				306	
299 7	8	9	305 10	11	12
		309			
299 13	17	308 16	304 15	14	18
		308			
298 19	20	21	303 22	23	24
297 25	26	28	303 27	26	25
	311				301
297 31	310 30	309 28	302 24	25	301 26

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Of the _____ Meridian,

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Survey commenced _____, 19____

Survey completed _____, 19____

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Township 28 South, Range 17 East
320 321 321 322 323 324

		329		330	330	1
				331		
7		328	9	10	11	12
			333			
13	17	328	16	332	15	14
			331			319
19	20	327	21	22	23	24
						319
29	29	326	28	27	26	25
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Survey commenced, 19.....

Survey completed, 19.....

INDEX DIAGRAM

Township 28 South, Range 17½ East

0	6	4	8	345 348	344 346 1
7	8	9	10	347	11 12
16	17	18	15	14	13
19	20	21	22	23	24
26	27	28	29	30	31
32	33	34	35	36	37

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and assignment instructions dated *, 19.....*

Survey commenced *, 19.....*

Survey completed *, 19.....*

1071

INDEX DIAGRAM

Township 28 South, Range 18 East

	363	362	361	360	359	358
364 •	•	•	•	370 •	373 •	371 1
					372	
365	7	8	9	369 10	11	12
			375			
13	17	374 16	368 15	14	18	
		373				
19	20	21	368 22	23	24	
20	29	28	368 27	26	25	
					366	
31	32	33	367 34	35	365 36	
		357	356	356	355	

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INDEX DIAGRAM

Township 28 South, Range 19 East

401	400	399	398	397	396
395 •	•	• 409 •	412 •	410 •	•
			411		
393 •	•	• 408 •	10	11	12
		415			
392 10	17	414 10	407 15	14	13
		413			
391 10	20	21	406 20	23	24
390 20	20	20	405 27	26	25
	418				403
389 21	417 20	416 20	404 24	25	402 20
388	387	386	385	384	383

UNITED STATES
DEPARTMENT OF THE INTERIOR
GENERAL LAND OFFICE

RECEIVED

FEB 5 1940

U. S. Department of Interior
Public Survey Office
Salt Lake City, Utah

FIELD NOTES

of the

Dependent Resurvey of the East Boundary

Independent Resurvey of the West Boundary

Survey of the Subdivision

of

Township 21 South, Range 22 East

Of the Salt Lake Meridian,

the State of Utah

EXECUTED BY

Robert C. Yundt, Surveyor

Under special instructions dated November 29, 1935, which provided
the surveys included under Group No. 268-Utah, bearing the approval of the
Commissioner of the General Land Office under date of January 9, 1936
assignment instructions dated October 29, 1936

Survey commenced November 13, 1936

Survey completed December 7, 1936

17A

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

INDEX DIAGRAM

Township 28 South, Range 21 East

6	5	4	443	3	437	2	439	1
							438	
7	8	9	443	10		11		12
			446					
13	17	445	16	442	15	14		18
			444					
19	20	21	441	22		23		24
25	26	28	440	27		26		25
449	448							435
31	447	32	446	33	439	34	35	434
434	433	432		431		430		429

GPS 88119

UNITED STATES
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INDEX DIAGRAM.

Township 21 South, Range 22 East

	52	51	51	51	51	50	
13	6	50 5	40 4	33 3	27 2	20 1	8
	49	48	39	33	26	19	
12	7	48 8	39 9	32 10	25 11	19 12	7
	47	47	38	31	25	18	
11	18	46 17	38 16	31 15	24 14	17 13	5
	46	45	37	30	24	17	
11	19	44 20	37 21	30 22	23 23	16 24	4
	44	43	36	29	22	16	
10	20	43 29	35 28	29 27	22 26	15 25	3
	42	41	35	28	21	14	
9	21	41 32	34 33	27 34	21 35	13 36	1

TOWNSHIP 21 SOUTH, RANGE 22 EAST.

The survey was commenced November 13, 1936, and was executed with Buff and Buff solar transit No. 9797. The instrument has a horizontal plate provided with two double verniers, placed opposite to each other, and a full vertical circle provided with one double vernier. All verniers are graduated to single minutes of arc. As the solar attachment of the instrument was not used on the survey, no description of it will be given here. The instrument was approved for use on the survey by the District Cadastral Engineer, conditional upon satisfactory field tests in Assignment Instructions dated October 29, 1936. The field tests were made prior to the commencement of the field work, and the instrument was found to be free from any appreciable error.

The measurements were made with Lallie steel ribbon tapes eight chains in length. The tapes are graduated every link for the first chain, and thereafter at intervals of ten links. They were tested by comparison with a Lufkin standard tape, one chain in length, and found to be correct. The measurements were made on the slope, the vertical angles determined by clinometers, and the slope distances properly reduced to horizontal equivalents as shown in the notes.

The geographic position of the southeast corner of the township, as determined from the special instructions is latitude $38^{\circ}56'$ north, longitude $109^{\circ}25'30''$ west. Latitude observations taken on the line during the progress of the survey check the above figure.

The bearings of the lines of the survey were determined by reference to observations made on Polaris made on line at frequent intervals. The line was carried forward as a transit line, taking the mean of direct and reversed sights at each instrument station, and checking the alignment by succeeding observations. One of the observations follows:

November 15, 1936, at the corner of sections 7, 12, 13, and 18, township 21 south, ranges 22 and 23 east, in latitude $38^{\circ}59'30''$ north, longitude $109^{\circ}25'30''$ west, I observe Polaris at eastern elongation, making four observations, two each with the telescope in direct and reversed positions, and recording the mean deflection angle between the flag at the $\frac{1}{4}$ section corner of sections 7 and 12, township 21 south, ranges 22 and 23 east, eastward to the star.

105th meridian time of observation	- - -	4h 19m 42s p.m.
Azimuth of Polaris at elongation	- - -	$1^{\circ}19'45''$
Deflection angle to right of line	- - -	$1^{\circ}16'45''$
Reduced bearing of line	- - - - -	$N.0^{\circ}03'00''E.$

DEPENDENT RESURVEY OF THE EAST BOUNDARY OF T.21 S., R.22 E.

Dependent Resurvey of the East Boundary of Township 21 South, Range 22 East, reestablishing the surveys executed by Harvey D. Heist, Deputy Surveyor, in 1903.

Beginning at the corner of Townships 21 and 22 South, Ranges 22 and 23 East, marked by an iron post, 3 ins. in diameter, firmly set, properly marked and witnessed as described in the official record.

Thence

$N.0^{\circ}02'E.$, on true line, between sections 31 and 36.

Over rolling desert land, through a scant undergrowth.

DEPENDENT RESURVEY OF THE EAST BOUNDARY OF T.21 S., R.22 E.

Chains

- 25.90 Wash, 20 links wide, 5 ft. deep, drains SW.
- 31.60 Telephone line, bears N.87°30'E., and S.87°30'W.
- 37.70 Center of U. S. Highway No.50, oiled, bears N.87°30'E. and S.87°30'W.
- 39.69 The original $\frac{1}{4}$ section corner, a 3x5 in. pine stake, firmly set in and projecting about 20 ins. above ground, marked $\frac{1}{4}$ on the south face.

At the corner point.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ section corner of section 31 only, with brass cap marked.

$\frac{1}{4}$ S31

1936

deposit a quart of charcoal at the base of the post, and bury the original stake alongside.

Thence N.0°08'W. with continuous measurement.

- 40.00 Northing of 40.00 chains from the corner of Townships 21 and 22 South, Ranges 22 and 23 East.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ section corner of section 36 only, with brass cap marked

$\frac{1}{4}$ S36

1936

deposit a quart of charcoal at the base of the post.

- 56.64 Center of the Denver and Rio Grande Western R. R. track bears N.83°34'E. and S.83°34'W.

- 57.38 Telegraph line, bears with railroad track.

- 80.00 Northing of 80.00 chains from the corner of Townships 21 and 22 South, Ranges 22 and 23 East.

Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for the corner of sections 25 and 36, Township 21 South, Range 22 East only, with brass cap marked

T21S

R22E | R23E

S25

— | S31

S36

1936

deposit a quart of charcoal at the base of the post.

- 80.42 The original corner of sections 25, 30, 31, and 36, a 4 in. pine stake, squared, projecting about 18 ins. above ground, marked and witnessed as described in the official record.

At the corner point.

Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for the corner of sections 30 and 31, Township 21 South, Range 23 E., only, with brass cap marked

DEPENDENT RESURVEY OF THE EAST BOUNDARY OF T.21 S., R.22 E.

Chains

T21S
R22E R23E
S30
S25 S31
1936

deposit a quart of charcoal at the base of the post and bury the original post alongside.

Land, rolling desert; SW. exposure and drainage.
Soil, sandy desert loam; 3rd rate.
Timber, none.
Undergrowth, shadscale and sagebrush.
Poor grazing.

N.0°04'W., on true line, along the west boundary of section 30..

Over rolling desert, through a scant undergrowth.

- 4.00 Wash, 20 links wide, 10 ft. deep, drains E.
- 5.10 Wash, 20 links wide, 5 ft. deep, drains E.
- 17.10 Wash, 15 links wide, 10 ft. deep, drains E.
- 29.70 Wash, 30 links wide, 15 ft. deep, drains SE.
- 39.58 Northing of 120.00 chains from the corner of Townships 21 and 22 South, Ranges 22 and 23 East.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ section corner of section 25 only, with brass cap marked

$\frac{1}{4}$ S25
1936

deposit a quart of charcoal at the base of the post.

- 40.12 The original $\frac{1}{4}$ section corner, a sandstone rock, 8x4x12 ins. above ground, and marked $\frac{1}{4}$ on the west face.

At the corner point.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ section corner of section 30 only, with brass cap marked

$\frac{1}{4}$ S30
1936

deposit a quart of charcoal at the base of the post and bury the original stone alongside.

Thence

N.0°01'W., on true line, with continuous measurement.

- 65.90 Draw, drains NE.
- 77.90 Low spur, projects E.
- 79.58 Northing of 160.00 chains from the corner of Townships 21 and 22 South, Ranges 22 and 23 East.

DEPENDENT RESURVEY OF THE EAST BOUNDARY OF T.21 S., R.22 E.

Chains

Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for the corner of sections 24 and 25, Township 21 South, Range 22 East, only, with brass cap marked

T21S
R22E | R23E
S24
S25 | S30
1936

deposit a quart of charcoal at the base of the post.

- 80.20 The original corner of sections 19, 24, 25, and 30, a sandstone rock, 8x4x10 ins. above ground, marked and witnessed as described in the official record.

At the corner point

Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for the corner of sections 19 and 30, Township 21 South, Range 23 East only, with brass cap marked

T21S
R22E | R23E
S24 | S19

S30
1936

deposit a quart of charcoal at the base of the post and bury the original stone alongside.

Land, rolling desert; SE. exposure and drainage. Soil, sandy to gravelly loam; 3rd rate.

Timber, none.

Undergrowth, shadscale, greasewood, and rabbit brush. Poor grazing.

N.0°11'W., on true line, along the west boundary of section 19.

Over rolling desert, through a scant undergrowth.

- 5.90 Draw, drains E.
- 11.20 Low spur, projects E.
- 28.00 Wash, 30 links wide, 15 ft. deep, drains E.
- 39.38 Northing of 200.00 chains from the corner of Townships 21 and 22 South, Ranges 22 and 23 East.
- Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ section corner of section 24 only, with brass cap marked.

$\frac{1}{4}$ S24 |
1936

deposit a quart of charcoal at the base of the post.

- 40.31 Proportionate distance.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ section corner of section 19 only, with brass cap marked

DEPENDENT RESURVEY OF THE EAST BOUNDARY OF T.21 S., R.22 E.

Chains

1 S19

1936

deposit a quart of charcoal at the base of the post.

No trace of the original corner could be found.

44.10 Nash wash, 3 chains wide, 5 ft. deep, drains SE. from the NE.

67.80 Recross Nash wash, drains E. about 6 chains, then SW.

79.38 Northing of 240.00 chains from the corner of Townships 21 and 22 South, Ranges 22 and 23 East.

Set an iron post, 3 ft. long, 2 ins. in diam., 30 ins. in the ground, for the corner of sections 13 and 24, Township 21 South, Range 22 East only, with brass cap marked.

T21S

R22E R23E

S13

S19

S24

1936

deposit a quart of charcoal at the base of the post.

80.62 The original corner of sections 13, 18, 19, and 24, a sandstone rock, 8x6x8 ins., above ground, marked and witnessed as described in the official record.

At the corner point.

Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for the corner of sections 18 and 19, Township 21 South, Range 23 East only, with brass cap marked

T21S

R22E R23E

S18

S13

S19

1936

deposit a quart of charcoal at the base of the post and bury the original stone alongside.

Land, rolling desert; SE. exposure and drainage.

Soil, sandy to gravelly loam; 3rd rate.

Timber, none.

Undergrowth, shadscale.

Poor grazing.

N.1°22'E., on true line, along the west boundary of section 18.

Over a gently rolling desert, through a scant undergrowth.

17.90 Low gravel spur, projects SW.

21.60 Draw, drains SW. from the north.

35.20 Leave draw, drains south from the NE.

38.77 Northing of 280.00 chains from the corner of Townships

Chains

21 and 22 South, Ranges 22 and 23 East.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ section corner of section 13 only, with brass cap marked

 $\frac{1}{4}$ S13

1936

deposit a sandstone rock, 6x5x3 ins., marked with a cross (X) at the base of the post.

39.65 The original $\frac{1}{4}$ section corner, a sandstone rock, 6x5x3 ins., above ground, marked and witnessed as described in the official record.

At the corner point.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ section corner of section 18 only, with brass cap marked

 $\frac{1}{4}$ S18

1936

deposit a quart of charcoal at the base of the post and bury the original stone alongside.

Thence

N.0°06'W., on true line, with continuous measurement.

62.00 Broad, flat topped spur, projecting SW.

67.30 Road, bears NW. and SE., Carbon Black well to Cisco, Utah

78.77 Northing of 320.00 chains from the corner of Townships 21 and 22 South, Ranges 22 and 23 East.

Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for the corner of sections 12 and 13, Township 21 South, Range 22 East only, with brass cap marked

T21S

R22E R23E

S12

S18

S13

1936

deposit a quart of charcoal at the base of the post.

79.67 The original corner of sections 7, 12, 13, and 18, a sandstone rock, 11x12x6 ins., above ground, marked and witnessed as described in the official record.

At the corner point.

Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for the corner of sections 7 and 18, Township 21 South, Range 23 East only, with brass cap marked

T21S

R22E R23E

S12

S7

S18

1936

deposit a

U. S. S. A. DEPARTMENT SURVEY OF THE EAST BOUNDARY OF T.21 S., R.22 E.

Chains

quart of charcoal at the base of the post and bury the original stone alongside.

Land, rolling desert; SW. exposure and drainage.
Soil, sandy clay; 3rd rate.
Timber, none.
Undergrowth, shadscale and sagebrush.
Poor grazing.

N.0°03'E., on true line, along the west boundary of section 7.

Over rolling desert, through a scant undergrowth.

10.30 Small wash, drains E.

29.60 Wash, 15 links wide, 10 ft. deep, drains E.

39.10 Northing of 360.00 chains from the corner of Townships 21 and 22 South, Ranges 22 and 23 East.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ section corner of section 12 only, with brass cap marked.

$\frac{1}{4}$ S12

1936

deposit a quart of charcoal at the base of the post.

40.03 The original $\frac{1}{4}$ section corner, a sandstone rock, 10x8x5 ins., above ground, marked and witnessed as described in the official record.

At the corner point.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ section corner of section 7 only, with brass cap marked

$\frac{1}{4}$ S. 7

1936

deposit a quart of charcoal at the base of the post and bury the original stone alongside.

Thence

N.0°01'E., with continuous measurement.

68.80 Small wash, drains E.

73.40 Small wash, drains E.

79.10 Northing of 400.00 chains from the corner of Townships 21 and 22 South, Ranges 22 and 23 East.

Set an iron post, 3 ft. long, 2 in. diam., 30 ins. in the ground, for the corner of sections 1 and 12, Township 21 South, Range 22 East only, with brass cap marked

T21S	
R22E	R23E
S1	
	S7
S12	

1936

deposit a

DEPENDENT RESURVEY OF THE EAST BOUNDARY OF T.21 S., R.23 E.

Chains

arise

quart of charcoal at the base of the post.

- 79.99 The original corner of sections 1, 6, 7, and 12, a sandstone rock, 12x8x6 ins. above ground, marked and witnessed as described in the official record.

At the corner point.

Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for the corner of sections 6 and 7, Township 21 South, Range 23 East only, with brass cap marked

T21S	
R22E	R23E
	S6
S1	
	S7
1936	

deposit a quart of charcoal at the base of the post and bury the original stone alongside.

Land, rolling desert; NE. exposure and drainage.
Soil, sandy clay; 3rd rate.
Timber, none.
Undergrowth, shadscale and sagebrush.
Poor grazing.

North, along the west boundary of section 6.

Over rolling desert land, through a scant undergrowth.

- 16.10 Small wash, drains E.
23.80 Stock trail, bears E. and W.
39.11 Northing of 440.00 chains from the corner of Townships 21 and 22 South, Ranges 22 and 23 East.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ section corner of section 1 only, with brass cap marked

$\frac{1}{4}$ S1
1936

deposit a quart of charcoal at the base of the post.

- 40.08 The original $\frac{1}{4}$ section corner, a sandstone rock, showing 10x8x5 ins. above ground, marked and witnessed as described in the official record.

At the corner point.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ section corner of section 6 only, with brass cap marked

$\frac{1}{4}$ S6
1936

deposit a quart of charcoal at the base of the post and bury the original stone alongside.

Thence

N.0°01'E., with continuous measurement.

DEPENDENT RESURVEY OF THE EAST BOUNDARY OF T.21 S., R.22 E.

Chains

- 63.80 Descend along a gradual N. slope, edge bears E. and W.
- 79.82 The original closing corner of Township 21 South, Ranges 22 and 23 East, located on the Fourth Standard Parallel South, marked by a sandstone conforming to the record.

At the corner point.

Set an iron post, 3 ft. long, 3 ins. diam., 30 ins. in the ground, for the closing corner of Township 21 South, Ranges 22 and 23 East, with brass cap marked

T20SR23E.
S31
S1 S6
R22E R23E
T21S
CC
1936

deposit
broken glass at the base of the post and bury the original stone alongside.

From the closing corner the original standard corner of Township 20 South, Ranges 22 and 23 East, marked by a sandstone, conforming to the record, bears 2.88 chains S.89°58'W. I remonument this corner as follows:

At the corner point

Set an iron post, 3 ft. long, 3 ins. diam., 30 ins. in the ground, with brass cap marked

SC
T20S
R22E R23E
S36 S31
1936

deposit a
quart of charcoal at the base of the post and bury the original stone alongside.

Land, rolling desert; NW. exposure and drainage.
Soil, sandy clay; 3rd rate.
Timber, none.
Undergrowth, shadscale and sagebrush.
Poor grazing.

INDEPENDENT RESURVEY OF THE WEST BOUNDARY OF TOWNSHIP 21 SOUTH, RANGE 22 EAST.

Independent Resurvey of the West Boundary of Township 21 South, Range 22 East, superseding the Survey executed by A. D. Ferron, Deputy Surveyor, in 1884.

Beginning at the corner of Townships 21 and 22 South, Ranges 21 and 22 East, an iron post, 3 ins. in diameter, firmly set, properly marked and witnessed as described in the official record.

Thence

North, between sections 31 and 36.

Over nearly level desert, through a scant undergrowth.

INDEPENDENT RESURVEY OF THE WEST BOUNDARY
OF T. 21 S., R. 22 E., S. 11 E.

Chains

- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ section corner, with brass cap marked

$\frac{1}{4}$
S36 | S31
1936

deposit a sandstone rock, 6x4x2 ins., marked with a cross (X) at the base of the post. No trace of the original corner could be found.

- 72.00 Wash, 10 links wide, 6 ft. deep, drains E.

- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for the corner of sections 25, 30, 31, and 36, with brass cap marked

T21S
R21E | R22E
S25 | S30
S36 | S31
1936

deposit a quart of charcoal at the base of the post.

No trace of the original corner could be found.

Land, nearly level desert; drainage E.

Soil, deep clay; 3rd rate.

Timber, none.

Undergrowth; shadscale, and white sage.

Poor grazing.

North, between sections 25 and 30.

Over nearly level land, through a scant undergrowth.

- 5.30 Telephone line, bears S.80°30'E. and N.80°30'W.

- 7.40 Center of oiled highway, U.S.No.50, bears S.80°30'E. and N.80°30'W.

- 37.80 Wash, 30 links wide, 15 ft. deep, drains E.

- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ section corner, with brass cap marked

$\frac{1}{4}$
S25 | S30
1936

deposit a sandstone rock, 5x4x2 ins., marked with a cross (X) at the base of the post.

No trace of the original corner could be found.

- 80.00 On the south edge of an old railroad grade.

Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for the corner of sections 19, 24, 25, and 30, with brass cap marked

T21S
R21E | R22E
S24 | S19
S25 | S30
1936

INDEPENDENT SURVEY OF THE WEST BOUNDARY
OF T. 21 S., R. 22 E.

Chains

deposit a quart of charcoal at the base of the post.

No trace of the original corner could be found.

Land, nearly level desert; drainage SE.
Soil, deep clay; 3rd rate.
Timber, none.
Undergrowth, shadscale, and white sagebrush.
Poor grazing.

North, between sections 19 and 24.

Over rolling land, through a scant undergrowth.

2.30 Center of the Denver and Rio Grande R. R. track, bears N.63°21'W. and S.63°21'E.

3.20 Telegraph line, bears with railroad.

40.00 On top of a gravel spur, projecting E.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{2}$ section corner, with brass cap marked

$\frac{1}{2}$
S24/S19
1936

broken glass at the base of the post. deposit

No trace of the original corner could be found.

45.40 Wash, 10 links wide, 5 ft. deep, drains E.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for the corner of sections 13, 18, 19, and 24, with brass cap marked

T21S
R21E | R22E
S13 | S18
S24 | S19
1936

of stone, 3 ft. base, 2 ft. high, west of the post. raise a mound

No trace of the original corner could be found.

Land, rolling desert; drainage E.
Soil, decomposed shale; 3rd rate.
Timber, none.
Undergrowth, shadscale, and white sagebrush.
Poor grazing.

North, between sections 13 and 18.

Over rolling land, through a scant undergrowth.

17.30 Wash, 1 chain wide, and 10 ft. deep, drains SE.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{2}$ section corner, with brass cap marked

**INDEPENDENT SURVEY OF THE WEST BOUNDARY
OF T. 21 S., R. 22 E.**

Chains

BR1340

$\frac{1}{2}$
S13|S18
1936

deposit a
sandstone rock, 6x4x3 ins., marked with a cross (X) at
the base of the post.

No trace of the original corner could be found.

- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in
the ground, for the corner of sections 7, 12, 13, and
18, with brass cap marked

T21S
R21E | R22E
S12 | S7
S13 | S18
1936

deposit a
sandstone rock, 6x4x2 ins., marked with a cross (X) at
the base of the post.

No trace of the original corner could be found.

Land, rolling desert; drainage E.
Soil, deep clay; 3rd rate.
Timber, none.
Undergrowth, shadscale.
Poor grazing.

North, between sections 7 and 12.

Over rolling land, through a scant undergrowth.

- 24.00 Base of steep ascent, bears NW. and SE.; ascend along
a SW. slope; 65 ft.
- 28.70 Top of steep ascent, bears NW. and SE.; continue over
broken land.
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in
the ground, for the $\frac{1}{2}$ section corner, with brass cap
marked

$\frac{1}{2}$
S12|S7
1936

deposit a
quart of charcoal at the base of the post.

No trace of the original corner could be found.

- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in
the ground, for the corner of sections 1, 6, 7, and 12,
with brass cap marked

T21S
R21E | R22E
S1 | S6
S12 | S7
1936

deposit a
quart of charcoal at the base of the post.

No trace of the original corner could be found.

Land, rolling and broken desert; drainage SE.

**INDEPENDENT SURVEY OF THE WEST BOUNDARY
OF T. 21 S., R. 22 E.**

Chains

Soil, deep clay; 3rd rate.
Timber, none.
Undergrowth, shadscale, and white sagebrush.
Poor grazing.

North, between sections 1 and 6.

Over rolling land, through a scant undergrowth.

52.60 Wash, 20 links wide, 5 ft. deep, drains SW.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the 1/4 section corner, with brass cap marked

S1 | S6

1936

deposit a quart of charcoal at the base of the post.

No trace of the original corner could be found.

52.20 Wash, 10 links wide, 3 ft. deep, drains SW.

78.90 Intersect the Fourth Standard Parallel South at a point 5.15 chains N.89°46'E. of the standard corner of Township 20 South, Ranges 21 and 22 East, an iron post, 3 ins. diameter, firmly set, properly marked and witnessed as described in the official record.

At the point of intersection.

Set an iron post, 3 ft. long, 3 ins. diam., 30 ins. in the ground, for the closing corner of Townships 21 South, Ranges 21 and 22 East, with brass cap marked

T20S R22E

S31

S1 | S6

R21E | R22E

T21S

CC

1936

deposit a sandstone rock, 4x3x2 ins., marked with a cross (X) at the base of the post.

No trace of the original corner could be found.

Land, rolling desert; drainage SW.

Soil, deep clay; 3rd rate.

Timber, none.

Undergrowth, shadscale, and white sagebrush.

Poor grazing.

SURVEY OF THE SUBDIVISION OF T. 21 S., R. 22 E.

Beginning at the corner of sections 1, 2, 35, and 36, on the South boundary of the township, an iron post, 3 ins. diameter, firmly set, properly marked and witnessed as described in the official record.

Thence

N.0°02'E., parallel to the mean course of the east boundary, between sections 35 and 36.

SUBDIVISION OF T. 21 S., R. 22 E.

Chains

Over rolling land, through a scant undergrowth.

- 30.60 Telephone line, bears N.87°16'E. and S.87°16'E.
- 35.70 Center of oiled highway, U.S.No.50, bears N.87°16'W. and S.87°16'E.
- 37.72 Center of Denver and Rio Grande R. R. track, bears N. 87°20'E. and S.87°20'W.
- 37.96 Center of Denver and Rio Grande R. R. track, bears as above.
- 38.78 Telegraph line, bears with railroad tracks.
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ section corner, with brass cap marked

$\frac{1}{4}$
S35|S36
1936

broken glass at the base of post.

deposit

From the $\frac{1}{4}$ section corner the southeast corner of the station house on the Denver and Rio Grande R. R. bears 5.35 chains S.80°58'W.

Ascend abruptly over a S. slope.

- 43.00 Top of abrupt ascent; continue along a rolling top.
- 53.20 Draw, drains SE.
- 65.00 Wash, 20 links wide, 5 ft. deep, drains SE.
- 80.00 On a gradual N. slope.

Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for the corner of sections 25, 26, 35, and 36, with brass cap marked

T21S R22E
S26|S25
S35|S36
1936

deposit a sandstone rock, 8x6x4 ins., marked with a cross (X) at the base of the post.

Land, rolling desert; drainage SE.
Soil, gravelly loam; 3rd rate.
Timber, none.
Undergrowth, shadscale, and sagebrush.
Poor grazing.

East, on a random line, between sections 25 and 36.

- 40.00 Set a temporary $\frac{1}{4}$ section corner.
- 79.84 Intersect the east boundary of the township at a point 7 links north of the corner of sections 25 and 36, heretofore described.

Thence

N.89°57'W., on true line, between sections 25 and 36.

23 SUBDIVISION OF T. 21 S., R. 22 E.

Chains

- 38 (X) Over rolling land, through a scant undergrowth.
- 30.10 Low, broad spur, projecting SE.; descend along a gentle SW. slope.
- 39.92 In a small draw, draining SE.
Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ section corner, with brass cap marked
- S25
 $\frac{1}{4}$
S36
1936
- deposit a quart of charcoal at the base of the post.
- Continue along a general S. slope.
- 45.60 Draw, drains SE.; ascend along a NE. slope.
- 55.80 Low, gravel spur, projects SE.; descend along a gentle SW. slope.
- 73.50 Shallow draw, drains SE.; ascend along a gradual NE. slope.
- 79.84 The corner of sections 25, 26, 35, and 36.
Land, rolling desert; drainage SE.
Soil, sandy to gravelly loam; 3rd rate.
Timber, none.
Undergrowth, shadscale.
Poor grazing.

N.0°02'E., between sections 25 and 26.

Over rolling land, through a scant undergrowth.

- 6.20 Draw, drains SE.; ascend along a gradual S. slope.
- 40.00 On a gradual S. slope.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ section corner, with brass cap marked

$\frac{1}{4}$
S26/S25
1936

deposit a quart of charcoal at the base of the post.

Ascend along a S. slope.

- 64.50 Low, flat topped spur, projecting SE.; descend along a gradual NE. slope.
- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for the corner of sections 23, 24, 25, and 26, with brass cap marked

T21S R22E
S25/S24
S26/S25
1936

deposit a

SUBDIVISION OF T. 21 S., R. 22 E.

Chains

sandstone rock, 6x4x2 ins., marked with a cross (X) at the base of the post.

Land, rolling desert; drainage SE.

Soil, sandy to gravelly loam; 3rd rate.

Timber, none.

Undergrowth, shadscale, and white sagebrush.

Poor grazing.

S.89°57'E., on a random line, between sections 24 and 25

40.00 Set a temporary $\frac{1}{4}$ section corner.

79.82 Intersect the east boundary of the township at a point 5 links north of the corner of sections 24 and 25, heretofore described.

Thence

N.89°55'W., on true line, between sections 24 and 25.

Over rolling land, through a scant undergrowth.

39.91 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ section corner, with brass cap marked

$$\begin{array}{r} S\ 24 \\ \frac{1}{4} \\ S\ 25 \\ 1936 \end{array}$$

quart of charcoal at the base of the post. deposit a

50.60 Wash, 10 links wide, 3 ft. deep, drains N.15°E.

79.82 The corner of sections 23, 24, 25, and 26.

Land, rolling desert; drainage NE.

Soil, sandy to gravelly clay; 3rd rate.

Timber, none.

Undergrowth, shadscale, and white sagebrush.

Poor grazing.

N.0°02'E., between sections 23 and 24.

Over rolling land, through a scant undergrowth.

8.80 Wash, 10 links wide, 3 ft. deep, drains E.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ section corner, with brass cap marked

$$\begin{array}{r} \frac{1}{4} \\ S23\ S24 \\ 1936 \end{array}$$

quart of charcoal at the base of the post. deposit a.

46.30 Wash, 20 links wide, 5 ft. deep, drains E.

59.50 Low spur, projects SE.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for the corner of sections 13, 14, 23, and 24, with brass cap marked

SUBDIVISION OF T. 21 S., R. 22 E.

Chains

T21S R22E
S14 S15
S23 S24
1936

deposit a

quart of charcoal at the base of the post.

Land, rolling desert; drainage E.

Soil, sandy to gravelly clay; 3rd rate.

Timber, none.

Undergrowth, shadscale, and white sagebrush.

Poor grazing.

S.89°55'E., on random line, between sections 13 and 24.

40.00 Set a temporary $\frac{1}{4}$ section corner.

79.58 Intersect the east boundary of the township at a point 5 links south of the corner of sections 13 and 24, heretofore described.

Thence

N.89°57'W., on true line, between sections 13 and 24.

Over rolling land, through a scant undergrowth.

6.60 Nash Wash, intermittent stream of alkaline water, 1 link wide, 2 ins. deep, flows SE.; wash at this point about 4 chains wide.

21.60 Low gravel spur, projects SE,

39.79 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ section corner, with brass cap marked

S13

$\frac{1}{4}$

S24

1936.

deposit a

quart of charcoal at the base of the post.

51.60 Wash, 25 links wide, 5 ft. deep, drains SE.

79.58 The corner of sections 13, 14, 23, and 24.

Land, rolling desert; drainage SE.

Soil, sandy to gravelly clay; 3rd rate.

Timber, none.

Undergrowth, shadscale, and white sagebrush.

Poor grazing.

N.0°02'E., between sections 13 and 14.

Over rolling land, through a scant undergrowth.

.30 Wash, 10 links wide, 3 ft. deep, drains E.

16.90 Wash, 15 links wide, 5 ft. deep, drains SE.

40.00 On a gradual NE. slope.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ section corner, with brass cap marked

Chains

201510

 $\frac{1}{2}$
 S14 | S13
 1936

deposit a
 quart of charcoal at the base of the post.

76.70 Nash Wash, dry at this point, drains E. from N.;
 continue in wash.

79.30 Leave Nash Wash, drains south from the NE.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in
 the ground, for the corner of sections 11, 12, 13, and
 14, with brass cap marked

 $\frac{1}{2}$
 T21S R22E
 S11 | S12
 S14 | S13
 1936

deposit a
 quart of charcoal at the base of the post.

Land, rolling desert; drainage SE.

Soil, gravelly clay; 3rd rate.

Timber, none.

Undergrowth, shadscale, and white sagebrush.

Poor grazing.

S. 89° 57' E., on a random line, between sections 12 and 13.

40.00 Set a temporary $\frac{1}{4}$ section corner.

80.53 Intersect the east boundary of the township at a point
 7 links north of the corner of sections 12 and 13, here-
 tofore described.

Thence

N. 89° 54' W., on true line, between sections 12 and 13.

Over rolling land, through a scant undergrowth.

7.00 Low gravel spur, projecting SE.

9.65 Road, bears NW. and SE.; Carbon Black well to Cisco, Utah.

40.53 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in
 the ground, for the $\frac{1}{4}$ section corner, with brass cap
 marked

 $\frac{1}{2}$
 S12

S13

1936

deposit a
 quart of charcoal at the base of the post,

72.50 Enter Nash Wash, drains W. from NW.; continue in wash.

76.40 Leave Nash Wash, drains NW. from the E.

80.00 Nash Wash, 50 links wide, drains SW. from the NE.

80.53 The corner of sections 11, 12, 13, and 14.

Land, rolling desert; drainage SE.

Soil, gravelly clay; 3rd rate.

Timber, none.

Undergrowth, shadscale, and white sagebrush.

SUBDIVISION OF TOWNSHIP 22 E.

Chains

at . . . Poor grazing.

N.0°02'E., between sections 11 and 12.

Over rolling land, through a scant undergrowth.

8.10 Nash Wash, 2 chains wide, 20 ft deep, drains S.60°E.; ascend 85 ft. along a SW. slope.

23.10 Point of spur, projecting from the east; descend 60 ft. along a NW. slope.

26.40 Draw, drains SW.; ascend 90 ft. along a S. slope.

40.00 On a S. slope.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ section corner, with brass cap marked

$\frac{1}{4}$
S11 | S12
1936

deposit a sandstone rock, 7x4x2 ins., marked with a cross (X) at the base of the post.

55.40 Road, bears NW. and SE., Carbon Black well to Cisco; Utah, on the top of a long spur, projecting SE.; descend along a NE. slope.

80.00 On a gentle NE. slope.

Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for the corner of sections 1, 2, 11, and 12, with brass cap marked

T21S R22E
S2 | S1
S11 | S12
1936

deposit a quart of charcoal at the base of the post.

Land, rolling desert; drainage SE.

Soil, deep clay; 3rd rate.

Timber, none.

Undergrowth, shadscale, and native grass.

Poor grazing.

S.89°54'E., on a random line, between sections 1 and 12.

40.00 Set a temporary $\frac{1}{4}$ section corner.

80.48 Intersect the corner of sections 1 and 12, on the east boundary of the township, heretofore described.

Thence

N.89°54'W., on true line, between sections 1 and 12.

Over rolling land, through a scant undergrowth.

12.90 Wash, 30 links wide, 5 ft. deep, drains SE.

40.24 In the bottom of the same wash, draining NE.

Chains

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ section corner, with brass cap marked

S1
 $\frac{1}{4}$
 S12
 1936

deposit a sandstone rock, 6x4x3 ins., marked with a cross (X) at the base of the post.

59.30 Wash, 10 links wide, 5 ft. deep, drains NE.

80.48 The corner of sections 1, 2, 11, and 12.

Land, rolling desert; drainage E.
 Soil, deep clay; 3rd rate.
 Timber, none.
 Undergrowth, shadscale, and white sagebrush.
 Poor grazing.

N.0°02'E., on true line, between sections 1 and 2.

Over rolling land, through a scant undergrowth.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ section corner, with brass cap marked

$\frac{1}{4}$
 S2 | S1
 1936

deposit a sandstone rock, 7x4x2 ins., marked with a cross (X) at the base of the post.

42.60 Wash, 15 links wide, 5 ft. deep, drains SE.

74.20 Wash, 10 links wide, 3 ft. deep, drains E.

80.27 Intersect the Fourth Standard Parallel South at a point 2.44 chains N.89°46'E. of the standard corner of sections 35 and 36, Township 20 South, Range 22 East, an iron post, 2 ins. diameter, firmly set, properly marked and witnessed as described in the official record.

At the point of intersection.

Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for the closing corner of sections 1 and 2, Township 21 South, Range 22 East, with brass cap marked

T20S R22E
 S36
 S2 | S1
 T21S R22E
 CC
 1936

deposit a quart of charcoal at the base of the post.

Land, rolling desert; drainage E.
 Soil, deep clay; 3rd rate.
 Timber, none.
 Undergrowth, shadscale, and white sagebrush.
 Poor grazing.

SUBDIVISION OF T. 21 S., R. 22 E.

Chains

Beginning at the corner of sections 2, 3, 34, and 35 on the south boundary of the township, an iron post, 3 ins. in diameter, firmly set, properly marked and witnessed as described in the official record.

Thence

0001

N. 0° 02' E., between sections 34 and 35.

Over rolling land, through a scant undergrowth.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ section corner, with brass cap marked

S34 | S35

1936

deposit

broken glass at the base of the post.

40.20 Telephone line, bears N. 83° 08' W. and S. 83° 08' E.

41.65 Oiled highway, U.S. No. 50, bears S. 83° 08' E. and N. 83° 08' W.

49.27 Center of Denver and Rio Grande R. R. track, bears S. 73° 35' E. and N. 73° 35' W.

50.00 Telegraph line, parallel to railroad.

54.80 Low spur, projects W.

69.60 Draw, drains SW.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for the corner of sections 26, 27, 34, and 35, with brass cap marked

T21S | R22E

S27 | S26

S34 | S35

1936

deposit

broken glass at the base of the post.

Land, rolling desert; drainage SW.

Soil, gravelly clay; 3rd. rate.

Timber, none.

Undergrowth, shadscale, and white sagebrush.

Poor grazing.

East, on a random line, between sections 26 and 35.

40.00 Set a temporary $\frac{1}{4}$ section corner.

80.02 Intersect the north and south line at a point 7 links south of the corner of sections 25, 26, 35, and 36.

Thence

S. 89° 57' W., on true line, between sections 26 and 35.

Over rolling land, through a scant undergrowth.

17.00 Shallow draw, drains S.

40.01 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in

SUBDIVISION OF T. 21 S., R. 22 E.

Chains

the ground, for the $\frac{1}{4}$ section corner, with brass cap marked,

S 26

$\frac{1}{4}$

S 35

1936

quart of charcoal at the base of the post. deposit a

46.10 Low spur, projects S.

80.02 The corner of sections 26, 27, 34, and 35.

Land, rolling desert; drainage S.

Soil, gravelly clay; 3rd rate.

Timber, none.

Undergrowth, shadscale, and white sagebrush.

Poor grazing.

N.0°02'E., between sections 26 and 27.

Over rolling land, through a scant undergrowth; ascend 165 ft. along a S. slope.

17.00 Spur, projects SE.; descend 125 ft. along a N. slope.

28.80 Draw, drains E.; ascend along a gradual S. slope.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ section corner, with brass cap marked

$\frac{1}{4}$

S27/S26

1936

sandstone rock, 8x6x3 ins., marked with a cross (X) at the base of the post. deposit a

41.00 Spur, projects E.; descend along a rolling N. slope.

70.60 Draw, drains E.; ascend along a gradual S. slope.

74.00 Spur, projects E.; descend along a N. slope.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for the corner of sections 22, 23, 26, and 27, with brass cap marked

T21S R22E

S22/S23

S27/S26

1936

sandstone rock, 5x4x2 ins., marked with a cross (X) at the base of the post. deposit a

Land, rolling desert; drainage E.

Soil, gravelly clay; 3rd rate.

Timber, none.

Undergrowth, shadscale, and white sagebrush.

Poor grazing.

N.89°57'E., on a random line, between sections 23 and 26.

40.00 Set a temporary $\frac{1}{4}$ section corner.

Chains

55.02 Intersect the north and south line at a point 11 links north of the corner of sections 23, 24, 25, and 26.

Thence

N.89°58'W., on true line, between sections 23 and 26.

Over rolling land, through a scant undergrowth.

8.50 Wash, 15 links wide, 3 ft. deep, drains NE.

12.80 Spur, projects NE.; descend along a W. slope.

39.82 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the witness $\frac{1}{4}$ section corner, with brass cap marked

S23

WC $\frac{1}{4}$ —

S26

1936

deposit a sandstone rock, 6x3x2 ins., marked with a cross (X) at the base of the post.

40.01 Point for the $\frac{1}{4}$ section corner falls in small wash, draining NE.; subject to washing.

47.80 Spur, projects N.; descend along a gentle NW. slope.

65.80 Draw, drains NE.; continue along a N. slope.

80.02 The corner of sections 22, 23, 26, and 27.

Land, rolling desert; drainage NE.

Soil, clay; 3rd rate.

Timber, none.

Undergrowth, shadscale, and white sagebrush.

Poor grazing.

N.0°02'E., between sections 22 and 23.

Over rolling land, through a scant undergrowth.

10.00 Small draw, drains NE.

37.80 Small draw, drains NE.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ section corner, with brass cap marked

S22. | S23

1936

deposit a quart of charcoal at the base of the post.

Ascend along a gradual S. slope.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for the corner of sections 14, 15, 22, and 23, with brass cap marked

T21S R22E

S15 | S14

S22 | S23

1936

Chains

deposit a
sandstone rock, 9x4x2 ins., marked with a cross (X) at the base of the post.

Land, rolling desert; drainage NE.

Soil, deep clay; 3rd rate.

Timber, none.

Undergrowth, shadscale, and white sagebrush.

Poor grazing.

S.89°58'E., on a random line, between sections 14 and 23

40.00 Set a temporary $\frac{1}{4}$ section corner.

80.02 Intersect the north and south line at a point 9 links south of the corner of sections 13, 14, 23, and 24.

Thence

S.89°58'W., on true line, between sections 14 and 23.

Over rolling land, through a scant undergrowth.

40.01 In the bottom of a small wash, draining SE.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ section corner, with brass cap marked

S14

$\frac{1}{4}$ S23

1936

deposit a
quart of charcoal at the base of the post.

72.00 Wash, 10 links wide, 3 ft. deep, drains SE.

80.02 The corner of sections 14, 15, 22, and 23.

Land, rolling east slope; drainage E.

Soil, deep clay; 3rd rate.

Timber, none.

Undergrowth, shadscale, and white sagebrush.

Poor grazing.

N.0°02'E., between sections 14 and 15.

Over rolling land, through a scant undergrowth; ascend along a gentle SE. slope.

36.50 Low spur, projects SE.; continue ascent.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ section corner, with brass cap marked

$\frac{1}{4}$

S15/S14

1936

deposit a
sandstone rock, 8x6x2 ins., marked with a cross (X) at the base of post.

43.10 Spur, projects SE.; descend along a NE. slope.

56.40 Wash, 10 links wide, 3 ft. deep, drains N.75°E.

SUBDIVISION OF T. 21 S., R. 22 E.

Chains

58.50 Spur, projects N.70°E.

63.00 Wash, 10 links wide, 3 ft. deep, drains E.;
continue over rolling NE. slope.

80.00 On a NE. slope.

Set an iron post, 5 ft. long, 2 ins. diam., 30 ins. in
the ground, for the corner of sections 10, 11, 14, and
15, with brass cap marked

T21S R22E

S10 S11

S15 S14

1936

deposit

broken glass at the base of the post.

Land, rolling clay hills; SE. exposure and drainage.
Soil, deep clay; 3rd rate.

Timber, none.

Undergrowth, shadscale; sand grass.

Poor grazing.

N.89°58'E., on a random line, between sections 11 and 14.

40.00 Set a temporary $\frac{1}{4}$ section corner.

79.94 Intersect the north and south line at a point 2 links
north of the corner of sections 11, 12, 13, and 14.

Thence

S.89°59'W., on true line, between sections 11 and 14.

Over rolling hills, through a scant undergrowth.

10.70 Point of spur, projecting from the south.

16.20 Wash, 10 links wide, 3 ft. deep, drains NE.

39.97 On a gentle NE. slope.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in
the ground, for the $\frac{1}{4}$ section corner, with brass cap
marked

S11

$\frac{1}{4}$

S14

1936

deposit a

quart of charcoal at the base of the post.

79.94 The corner of sections 10, 11, 14, and 15.

Land, rolling east slope; drainage E.

Soil, deep clay.

Timber, none.

Undergrowth, shadscale, and white sagebrush.

Poor grazing.

N.0°02'E., between sections 10 and 11

Over rolling land, through a scant undergrowth.

SUBDIVISION OF T. 21 N., R. 22 E.

Chains

- 38.70 Low gravel spur, projects SE. 02.80
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ section corner, with brass cap marked 00.00

S10 | S11

1936

Deposit a sandstone rock, 6x4x2 ins., marked with a cross (X) at the base of post.

- 67.40 Nash Wash, 3 chains wide, drains SE.

- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for the corner of sections 2, 3, 10, and 11, with brass cap marked

T21S | R22E

S3 | S2

S10 | S11

1936

deposit a sandstone rock, 8x6x6 ins., marked with a cross (X) at the base of the post.

Land, rolling desert; drainage SE.

Soil, deep clay; 3rd rate.

Timber, none.

Undergrowth, shadscale, and white sagebrush.

Poor grazing.

N. 89° 59' E., on a random line, between sections 2 and 11.

- 40.00 Set a temporary $\frac{1}{4}$ section corner.

- 79.94 Intersect the north and south line at a point 2 links north of the corner of sections 1, 2, 11, and 12.

Thence

West, on true line, between sections 2 and 11.

Over rolling land, through a scant undergrowth.

- 26.50 Spur, projects SE.; road, bears NW. and SE., Carbon Black well to Cisco, Utah.

- 39.97 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ section corner, with brass cap marked

S 2

 $\frac{1}{4}$ S11

1936

deposit a quart of charcoal at the base of the post.

- 79.94 The corner of sections 2, 3, 10, and 11.

Land, rolling desert; drainage SE.

Soil, deep clay; 3rd rate.

Timber, none.

Undergrowth, shadscale, and white sagebrush.

Poor grazing.

SUBDIVISION OF T. 21 S., R. 22 E.

Chains

N.0°02'E., on true line, between sections 2 and 3.

Over rolling land, through a scant undergrowth.

18.60 Road, bears E. and W., Cisco, Utah, to the Carbon Black well.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{2}$ section corner, with brass cap marked

$\frac{1}{2}$
S3|S2

1936

deposit a sandstone rock, 6x4x3 ins., marked with a cross (X) at the base of the post.

65.40 Wash, 20 links wide, 10 ft. deep, drains SE.

79.97 Intersect the Fourth Standard Parallel South at a point 2.56 chains N.89°46'E. of the standard corner of sections 34 and 35, Township 20 South, Range 22 East, an iron post, 2 ins. diameter, firmly set, properly marked and witnessed as described in the official record.

At the point of intersection.

Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for the closing corner of sections 2 and 3, Township 21 South, Range 22 East, with brass cap marked

T20S R22E

S35

S3|S2

T21S R22E

CC

1936

deposit a sandstone rock, 5x4x4 ins., marked with a cross (X) at the base of post.

Land, rolling desert; drainage E.

Soil, deep clay; 3rd rate.

Timber, none.

Undergrowth, shadscale, and white sagebrush.

Poor grazing.

Beginning at the corner of sections 3, 4, 33, and 34, on the south boundary of the township, an iron post, 3 ins. in diameter, firmly set, properly marked and witnessed as described in the official record.

Thence

N.0°01'E., between sections 33 and 34.

Over nearly level desert, through a scant undergrowth.

40.00 On a broken E. slope.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{2}$ section corner, with brass cap marked

$\frac{1}{2}$
S33|S34

1936

deposit a

SUBDIVISION OF T. 21 S., R. 22 E.

Chains

- quart of charcoal at the base of the post.
- 49.95 Telephone line, bears S.87°07'E. and N.87°07'W.
- 51.40 Oiled highway, U.S.No.50, bears S.87°07'E. and N.87°07'W.
- 73.77 Center of the Denver and Rio Grande R. R. track, bears S.68°38'E. and N.68°38'W.
- 74.00 Telegraph line, bears with railroad.
- 80.00 On a gentle S. slope.

Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for the corner of sections 27, 28, 33, and 34, with brass cap marked

T21S	R22E
S28	S27
S33	S34
1936	

quart of charcoal at the base of the post. deposit a

Land, nearly level desert; general SE. exposure and drainage.

Soil, deep clay; 3rd rate.

Timber, none.

Undergrowth, shadscale, and white sagebrush.

Poor grazing.

- East, on a random line, between sections 27 and 34.
- 40.00 Set a temporary $\frac{1}{4}$ section corner.
- 79.94 Intersect the north and south line at a point 9 links south of the corner of sections 26, 27, 34, and 35.
- Thence
- S.89°56'W., on a true line, between sections 27 and 34.
- Over rolling land, through a scant undergrowth.
- 39.97 On a gentle SW. slope.
- Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ section corner, with brass cap marked

S 27
$\frac{1}{4}$ S 34
1936

broken glass at the base of the post. deposit

Continue along a general S. slope over numerous small draws and spurs putting S.

- 79.94 The corner of sections 27, 28, 33, and 34.
- Land, rolling hills; S. exposure and drainage.
- Soil, sandy clay; 3rd rate.
- Timber, none.
- Undergrowth, shadscale, and white sagebrush.
- Poor grazing.

SUBDIVISION OF T. 21 S., R. 22 E.

Chains	N.0°01'E., between sections 27 and 28. Over rolling land, through a scant undergrowth.
19.00	Small wash, drains SW.
40.00	On level desert. Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ section corner, with brass cap marked <div style="text-align: center;">$\frac{1}{4}$ S28 S27 1936</div> deposit a quart of charcoal at the base of the post. Ascend along a SW. slope.
53.10	Spur, projects W.; descend along a broken W. slope.
80.00	On top of a small spur, projecting W. Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for the corner of sections 21, 22, 27, and 28, with brass cap marked <div style="text-align: center;">T21S R22E S21 S22 S28 S27 1936</div> deposit a quart of charcoal at the base of the post. Land, rolling hills; SW. exposure and drainage. Soil, deep clay; 3rd rate. Timber, none. Undergrowth, shadscale, and white sagebrush. Poor grazing.
	N.89°56'E., on a random line, between sections 22 and 27.
40.00	Set a temporary $\frac{1}{4}$ section corner.
79.96	Intersect the north and south line at a point 2 links north of the corner of sections 22, 23, 26, and 27. Thence S.89°57'W., on true line, between sections 22 and 27. Over rolling land, through a scant undergrowth.
12.00	Small draw, drains N.25°E.
39.98	On a gentle E. slope. Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ section corner, with brass cap marked <div style="text-align: center;">$\frac{1}{4}$ S 22 S 27 1936</div> deposit a quart of charcoal at the base of post.

SUBDIVISION OF T. 21 S., R. 22 E.

Chains

49.80 Small draw, drains SW.

79.96 The corner of sections 21, 22, 27, and 28.

Land, rolling hills; general SW. exposure and drainage.
Soil, sandy clay; 3rd rate.
Timber, none.
Undergrowth, shadscale, and white sagebrush.
Poor grazing.

N.0°01'E., between sections 21 and 22.

Over rolling land, through a scant undergrowth.

19.40 Wash, 15 links wide, 5 ft. deep, drains SW.

28.10 Wash, 20 links wide, 5 ft. deep, drains SW.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ section corner, with brass cap marked

$\frac{1}{4}$
S21 | S22
1936

deposit a quart of charcoal at the base of the post.

64.40 Small wash, drains SW.

80.00 In a small wash, draining SW.

Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for the corner of sections 15, 16, 21, and 22, with brass cap marked

T21S R22E
S16 | S15
S21 | S22
1936

deposit a sandstone rock, 6x4x2 ins., marked with a cross (X) at the base of the post.

Land, rolling hills; SW. exposure and drainage.
Soil, sandy clay; 3rd rate.
Timber, none.
Undergrowth, shadscale, and white sagebrush.
Poor grazing.

N.89°57'E., on a random line, between sections 15 and 22.

40.00 Set a temporary $\frac{1}{4}$ section corner.

79.98 Intersect the north and south line at a point 2 links north of the corner of sections 14, 15, 22, and 23.

Thence

S.89°58'W., on true line, between sections 15 and 22.

Over rolling land, through a scant undergrowth.

8.20 Wash, 10 links wide, 3 ft. deep, drains S.

39.99 On a gentle S. slope.

SUBDIVISION OF T. 21 S., R. 22 E.

Chains

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ section corner, with brass cap marked

S 15
 $\frac{1}{4}$ ———
S 22
1936

deposit a

quart of charcoal at the base of the post.

50.50 Small wash, drains S.

79.98 The corner of sections 15, 16, 21, and 22.

Land, gently rolling hills; drainage S.

Soil, deep clay; 3rd rate.

Timber, none.

Undergrowth, shadscale, and white sagebrush.

Poor grazing.

N.0°01'E., between sections 15 and 16.

Over rolling land, through a scant undergrowth.

5.10 Wash, 20 links wide, 5 ft. deep, drains SE.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ section corner, with brass cap marked

$\frac{1}{4}$
S16|S15
1936

deposit a

sandstone rock, 6x4x3 ins., marked with a cross (X) at the base of the post.

46.40 Wash, 15 links wide, 4 ft. deep, drains SE.

48.30 Wash, 25 links wide, 4 ft. deep, drains SE.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for the corner of sections 9, 10, 15, and 16, with brass cap marked

T21S R22E
S9|S10
S16|S15
1936

deposit a

sandstone rock, 8x5x4 ins., marked with a cross (X) at the base of the post.

Land, rolling desert; drainage SE.

Soil, clay; 3rd rate.

Timber, none.

Undergrowth, shadscale, and white sagebrush.

Poor grazing.

N.89°58'E., on a random line, between sections 10 and 15.

40.00 Set a temporary $\frac{1}{4}$ section corner.

79.98 Intersect the north and south line at a point 2 links

SUBDIVISION OF T. 21 S., R. 22 E.

Chains	
	north of the corner of sections 10, 11, 14, and 15.
	Thence
	S.89°59'W., on true line, between sections 10 and 15.
	Over rolling land, through a scant undergrowth; ascend 75 ft. along a NE. slope.
26.80	Spur, projects SE.; continue over rolling land.
39.99	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ section corner, with a brass cap marked
	S 10 $\frac{1}{4}$ S 15 1936
	deposit a sandstone rock, 6x4x2 ins., marked with a cross (X) at the base of the post.
57.90	Wash, 10 links wide, 3 ft. deep, drains SW.
79.98	The corner of sections 9, 10, 15, and 16.
	Land, gently rolling Hills; drainage E. and S. Soil, clay; 3rd rate. Timber, none. Undergrowth, shadscale, and white sagebrush. Poor grazing.
	N.0°01'E., between sections 9 and 10.
	Over rolling land, through a scant undergrowth.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground to solid rock, and in a large mound of stone, for the $\frac{1}{4}$ section corner, with brass cap marked
	$\frac{1}{4}$ S9 S10 1936
	deposit a sandstone rock, 6x4x2 ins., marked with a cross (X) at the base of the post.
55.10	Wash, 10 links wide, 3 ft. deep, drains NE.
58.60	Wash, 30 links wide, 5 ft. deep, drains NE.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground for the corner of sections 3, 4, 9, and 10, with brass cap marked
	T21S R22E S4 S3 S9 S10 1936
	broken glass at the base of the post. deposit
	Land, gently rolling hills; drainage E. Soil, gravelly clay; 3rd rate. Timber, none. Undergrowth, shadscale, and white sagebrush. Poor grazing.

SUBDIVISION OF T. 21 S., R. 22 E.

Chains

N.89°59'E., on a random line, between sections 3 and 10.

40.00 Set a temporary $\frac{1}{4}$ section corner.

79.96 Intersect the north and south line at a point 5 links north of the corner of sections 2, 3, 10, and 11.

Thence

N.89°59'W., on true line, between sections 3 and 10.

Over gently rolling land; through a scant undergrowth.

39.98 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ section corner, with brass cap marked

S 3
 $\frac{1}{4}$ —————
S 10
1936

deposit a sandstone rock, 5x4x2 ins., marked with a cross (X) at the base of the post.

From the $\frac{1}{4}$ section corner a spring of alkaline water bears south 1 chain.

40.80 East bank of Nash Wash, clay bank about 5 ft. high, bears NW. and SE.; continue across bottom of wash over a meandering stream of alkaline water about 15 links wide, and 3 ins. deep, flowing SE.

62.00 West bank of Nash Wash, clay bank about 5 ft high, bears NW. and SE.; continue over rolling land.

79.96 The corner of sections 3, 4, 9, and 10.

Land, gently rolling bottom; drainage SE.

Soil, deep clay; 3rd rate.

Timber, none.

Undergrowth, shadscale, white sagebrush, greasewood and rabbit brush.

Poor grazing.

N.0°01'E., on true line, between sections 3 and 4.

Over gently rolling land, through a scant undergrowth.

3.00 Low spur projecting NE.

12.60 Shallow wash, drains E.

20.67 2 strand barbed wire fence, bears NW. and SE.

37.60 2 strand barbed wire fence, bears NE. and SW.

40.00 In the bottom of Nash Wash (dry), draining SE.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ section corner, with brass cap marked

$\frac{1}{4}$
S4 | S3
1936

deposit a quart of charcoal at the base of the post.

SUBDIVISION OF T. 21 S., R. 22 E.

Chains

- 68.90 Road, bears NW. and SE., Carbon Black well to Cisco, UT
- 79.75 Intersect the Fourth Standard Parallel South at a point 2.63 chains N.89°46'E. of the standard corner of sections 33 and 34, Township 20 South, Range 22 East, an iron post 2 ins. diameter, firmly set, properly marked and witnessed as described in the official record.

At the point of intersection.

Set an iron post, 3 ft. long, 2 ins. diameter, 30 ins. in the ground, for the closing corner of sections 3 and 4, Township 21 South, Range 22 East, with brass cap marked

T20S R22E
S34
S4/S3
T21S R22E
CC
1936

deposit a sandstone rock, 4x3x1 ins., marked with a cross (X) at the base of the post.

Land, gently rolling desert; drainage SE.
Soil, deep clay; 3rd rate.
Timber, none.
Undergrowth, shadscale, and white sagebrush.
Poor grazing.

Beginning at the corner of sections 4, 5, 32, and 33 on the south boundary of the township, an iron post, 3 ins. diameter, firmly set, properly marked and witnessed as described in the official record.

Thence

North, between sections 32 and 33.

Over gently rolling desert, through a scant undergrowth.

- 19.60 Wash, 50 links wide, 3 ft. deep, drains NE.
- 39.80 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground for the witness $\frac{1}{4}$ section corner, with brass cap marked

W C
 $\frac{1}{4}$
S32/S33
1936

broken glass at the base of the post.

deposit

- 40.00 Point for the $\frac{1}{4}$ section corner falls in the bottom of a small wash, draining NE. subject to washing.
- 59.70 Telephone line, bears S.81°05'E. and N.81°05'W.
- 62.20 Center of oiled highway, U.S.No. 50, bears S.81°05'E. and N.81°05'W.
- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for the corner of sections 28, 29, 32, and 33, with brass cap marked

SUBDIVISION OF T. 21 S., R. 22 E.

Chains

T21S	R22E
S29	S28
S32	S33
1936	

broken glass at the base of the post. deposit

Land, rolling desert; drainage NE.

Soil, gravelly clay; 3rd rate.

Timber, none.

Undergrowth, shadscale, and white sagebrush.

Poor grazing.

East, on a random line, between sections 28 and 33.

40.00 Set a temporary $\frac{1}{4}$ section corner.

80.16 Intersect the corner of sections 27, 28, 33, and 34.

Thence

West, on true line, between sections 28 and 33.

Over rolling desert, through a scant undergrowth.

16.50 Telegraph line, bears S.68°36'E. and N.68°36'W.

18.40 Center of Denver and Rio Grande R. R. track, bears S.68°36'E. and N.68°36'W.

27.00 Wash, 50 links wide, 5 ft. deep, drains S.

40.08 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ section corner, with brass cap marked

S 28
$\frac{1}{4}$
S 33
1936

quart of charcoal at the base of the post. deposit a

73.50 Small wash, drains S.15°E.

80.18 The corner of sections 28, 29, 32, and 33.

Land, rolling desert; drainage S.

Soil, deep clay; 3rd rate.

Timber, none.

Undergrowth, shadscale, and white sagebrush.

Poor grazing.

North, between sections 28 and 29.

Over rolling land, through a scant undergrowth.

24.80 Center of the Denver and Rio Grande R. R. track, bears S.81°E. and N.81°W.

25.50 Telegraph line, parallel to the railroad.

40.00 On a gentle W. slope.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground for the $\frac{1}{4}$ section corner, with brass cap marked

SUBDIVISION OF T. 21 S., R. 22 E.

Chains

$$\frac{1}{4}$$

S29	S28
1936	

deposit

broken glass at the base of the post.

69.20 Base of steep ascent, bears E. and W.; ascend 95 ft. over a S. slope.

75.50 Top of ascent, bears E. and W.; continue over rolling land.

80.00 On a gentle N. slope.

Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for the corner of sections 20, 21, 28, and 29, with brass cap marked

$$\frac{T21S \ R22E}{\frac{S20 \ S21}{S29 \ S28}}$$

1936

deposit a

quart of charcoal at the base of the post.

Land, rolling desert; drainage SW.

Soil, sandy to gravelly clay; 3rd rate.

Timber, none.

Undergrowth, shadscale, and salt sagebrush.

Poor grazing.

East, on a random line, between sections 21 and 28.

40.00 Set a temporary $\frac{1}{4}$ section corner.

80.20 Intersect the corner of sections 21, 22, 27, and 28.

Thence

West, on true line, between sections 21 and 28.

Over rolling land, through a scant undergrowth, descend 65 ft. over a NW. slope.

6.30 Wash, 30 links wide, 5 ft. deep, drains SW.; continue over a series of small spurs and draws putting SE.

40.10 On a spur, projecting SE.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ section corner, with brass cap marked
$$\frac{S \ 21}{\frac{1}{4}}$$

S 28
1936

deposit a

sandstone, 4x3x2 ins., marked with a cross (X) at the base of the post.

49.70 Wash, 15 links wide, 3 ft. deep, drains E.

54.80 Wash, 15 links wide, 3 ft. deep, drains SE.

80.20 The corner of sections 20, 21, 28, and 29.

Land, rolling desert; drainage SE.

Soil, coarse clay and shale; 3rd rate.

S. 22 SURVEILLANCE OF T. 21 S., R. 22 E.

Chains

to (X)

Timber, none.
Undergrowth, shadscale, and white sagebrush.
Poor grazing.

North, between sections 20 and 21.

Over rolling land, through a scant undergrowth.

25.40 Wash, 10 links wide, 3 ft. deep, drains SE.

29.20 Wash, 15 links wide, 3 ft. deep, drains E.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ section corner, with brass cap marked

$\frac{1}{4}$
S20 | S21
1936

deposit a
sandstone rock, 6x4x2 ins., marked with a cross (X) at the base of the post.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for the corner of sections 16, 17, 20, and 21, with brass cap marked

T21S R22E
S17 | S16
S20 | S21
1936

deposit a
sandstone rock, 8x4x3 ins., marked with a cross (X) at the base of the post.

Land, rolling desert; E. exposure and drainage.

Soil, deep clay; 3rd rate.

Timber, none.

Undergrowth, shadscale, and white sagebrush.

Poor grazing.

East, on a random line, between sections 16 and 21.

40.00 Set a temporary $\frac{1}{4}$ section corner.

80.20 Intersect the north and south line at a point 2 links south of the corner of sections 15, 16, 21, and 22,

Thence

S.89°59'W., on true line, between sections 16 and 21.

Over rolling land, through a scant undergrowth.

5.10 Wash, 30 links wide, 5 ft. deep, drains S.

13.00 Wash, 25 links wide, 10 ft. deep, drains S.

40.10 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ section corner, with brass cap marked

S 16

S 21

1936

deposit a

SUBDIVISION OF T. 21 S., R. 22 E.

Chains

excluded

sandstone rock, 6x4x3 ins., marked with a cross (X) at the base of the post.

51.70 Wash, 20 links wide, 2 ft. deep, drains S.

80.20 The corner of sections 16, 17, 20, and 21.

Land, rolling desert; SE. drainage and exposure.

Soil, deep clay; 3rd rate.

Timber, none.

Undergrowth, shadscale, and white sagebrush.

Poor grazing.

North, between sections 16 and 17.

Over rolling hills, through a scant undergrowth.

26.90 Wash, 20 links wide, 3 ft. deep, drains SE.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ section corner, with brass cap marked

$\frac{1}{4}$
S17|S16
1936

deposit a
sandstone rock, 6x4x2 ins., marked with a cross (X) at the base of the post.

49.40 Wash, 10 links wide, 3 ft. deep, drains SE.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for the corner of sections 8, 9, 16, and 17, with brass cap marked

T21S R22E
S8|S9
S17|S16
1936

deposit a
sandstone rock, 5x3x2 ins., marked with a cross (X) at the base of the post.

Land, rolling desert; SE. exposure and drainage.

Soil, deep clay; 3rd rate.

Timber, none.

Undergrowth, shadscale, rabbit brush and white sagebrush

Poor grazing;

N.89°59'E., on a random line, between sections 9 and 16.

40.00 Set a temporary $\frac{1}{4}$ section corner.

80.20 Intersect the north and south line at a point 2 links south of the corner of sections 9, 10, 15, and 16.

Thence

S.89°58'W., on true line, between sections 9 and 16.

Over rolling land, through a scant undergrowth.

40.10 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ section corner, with brass cap marked

Chains

1.9 1936 S. 9
S. 16
1936
deposit a
sandstone rock, 6x5x2 ins., marked with a cross (X) at the base of the post.
51.80 Wash, 10 links wide, 3 ft. deep, drains SW.
64.70 Wash, 10 links wide, 3 ft. deep, drains S.
80.20 The corner of sections 8, 9, 16, and 17.
Land, rolling desert; drainage SW.
Soil, deep clay.
Timber, none.
Undergrowth, shadscale, and white sagebrush.
Poor grazing.

North, between sections 8 and 9.

Over rolling land, through a scant undergrowth.

26.10 Wash, 20 links wide, 8 ft. deep, drains E.
36.20 Wash, 10 links wide, 4 ft. deep, drains E.
40.00 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for $\frac{1}{4}$ section corner, with brass cap marked

$\frac{1}{4}$
S8 | S9
1936

deposit a
sandstone rock, 5x4x3 ins., marked with a cross (X) at the base of the post.

71.00 Wash, 25 links wide, 3 ft. deep, drains E.
80.00 Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for the corner of sections 4, 5, 8, and 9, with brass cap marked

T21S R22E
S5 | S4
S8 | S9
1936

deposit a
sandstone rock, 6x5x3 ins. marked with a cross (X) at the base of the post.

Land, rolling desert; drainage E.
Soil, deep clay; 3rd rate.
Timber, none.
Undergrowth, shadscale.
Poor grazing.

N. 89° 58' E., on a random line, between sections 4 and 9.

40.00 Set a temporary $\frac{1}{4}$ section corner.
80.18 Intersect the north and south line at a point 2 links south of the corner of sections 3, 4, 9, and 10.

Thence

SUBDIVISION OF T. 21 S., R. 22 E.

Chains

S.89°57'W., on true line, between sections 4 and 9.

Over rolling land, through a scant undergrowth; ascend along a NE. slope.

2.70 Low spur, projects N.; descend along a NW. slope.

10.00 Draw, drains N.; ascend along a NE. slope.

31.60 Spur, projects N.; continue over rolling land.

40.09 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ section corner, with brass cap marked

S4

 $\frac{1}{4}$ S9

1936

deposit a

quart of charcoal at the base of the post.

74.50 Wash, 30 links wide, 5 ft. deep, drains NE.

80.18 The corner of sections 4, 5, 8, and 9.

Land, rolling desert; drainage NE.

Spil, deep clay; 3rd rate.

Timber, none.

Undergrowth, shadscale.

Poor grazing.

North, on true line, between sections 4 and 5.

Over rolling land, through a scant undergrowth.

10.40 Wash, 30 links wide, 4 ft. deep, drains E.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ section corner, with brass cap marked $\frac{1}{4}$
S5 | S4

1936

deposit a

sandstone rock, 7x5x4 ins., marked with a cross (X) at the base of the post.

79.52 Intersect the Fourth Standard Parallel South at a point 2.42 chains N.89°46'E. of the standard corner of sections 32 and 33, Township 20 South, Range 22 East, an iron post 2 ins. in diameter, firmly set, properly marked and witnessed as described in the official record.

At the point of intersection.

Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for the closing corner of sections 4 and 5, Township 21 South, Range 22 East, with brass cap marked

T20S R22E

S33

S5 | S4

T21S | R22E

CC

1936

deposit a

SUBDIVISION OF T. 21 S., R. 22 E.

Chains

quart of charcoal at the base of the post.

Land, rolling hills; drainage SE.

Soil, deep clay; 3rd rate.

Timber, none.

Undergrowth, shadscale.

Poor grazing.

Beginning at the corner of sections 5, 6, 31, and 32, on the south boundary of the township, an iron post, 3 ins. diameter, firmly set, properly marked and witnessed as described in the official record.

Thence

North, between sections 31 and 32.

Over gently rolling land, through a scant undergrowth.

12.40 Small draw, drains SE.

14.90 Stock trail, bears E. and W.

26.30 Low spur, projects E.

40.00 In a small draw, draining NE.

Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground to solid rock, and in a large mound of stone, for the $\frac{1}{4}$ section corner, with brass cap marked

$\frac{1}{4}$
S31 | S32
1936

deposit a sandstone rock, 5x4x2 ins., marked with a cross (X) at the base of the post.

67.20 Wash, 50 links wide, 5 ft. deep, drains E.

73.10 Telephone line, bears S.81°04'E. and N.81°04'W.

74.60 Center of oiled highway, U.S.No.50, bears S.81°04'E. and N.81°04'W.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground for the corner of sections 29, 30, 31, and 32, with brass cap marked

T21S R22E
S30 | S29
S31 | S32
1936

deposit a quart of charcoal at the base of the post.

Land, gently rolling desert; drainage E.

Soil, sandy loam, alkaline; 3rd rate.

Timber, none.

Undergrowth, shadscale, and salt sagebrush.

Poor grazing.

East, on a random line, between sections 29 and 32.

40.00 Set a temporary $\frac{1}{4}$ section corner.

SUBDIVISION OF T. 21 S., R. 22 E.

Chains

80.00 Intersect the north and south line at a point 7 links south of the corner of sections 28, 29, 32, and 33.

Thence

S.89°57'W., on true line, between sections 28 and 32.

Over gently rolling land, through a scant undergrowth.

14.00 Small wash, drains S.

27.20 Small wash, drains S.

29.30 Small wash, drains S.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ section corner, with brass cap mark

S 29
 $\frac{1}{4}$ ———
S32
1936

quart of charcoal at the base of the post. deposit a

80.00 The corner of sections 29, 30, 31, and 32.

Land, gently rolling desert; drainage SE.

Soil, sandy loam, alkaline; 3rd rate.

Timber, none.

Undergrowth, shadscale.

Poor grazing.

West, on a random line, between sections 30 and 31.

40.00 Set a temporary $\frac{1}{4}$ section corner.

77.66 Intersect the west boundary of the township at a point 2 links north of the corner of sections 25, 30, 31, and 36, heretofore described.

Thence

N.89°59'E., on true line, between sections 30 and 31.

Over gently rolling land, through a scant undergrowth.

33.70 Telephone line, bears S.80°30'E. and N.80°30'W.

37.66 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ section corner, with brass cap marked

S 30
 $\frac{1}{4}$ ———
S 31
1936

deposit a sandstone rock, 5x4x3 ins., marked with a cross (X) at the base of the post.

44.10 Center of oiled highway, U.S.No.50, bears S.80°30'E. and N.80°30'W.

47.20 Wash, 75 links wide, 7 ft. deep, drains S.

77.66 The corner of sections 29, 30, 31, and 32.

SUBDIVISION OF T. 21 S., R. 22 E.

Chains

Land, gently rolling desert; drainage SE.
Soil, sandy loam, alkaline; 3rd rate.
Timber, none.
Undergrowth, shadscale, and white sagebrush.
Poor grazing.

North, between sections 29 and 30.

Over gently rolling land, through a scant undergrowth.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ section corner, with brass cap marked

$\frac{1}{4}$
S30 | S29

1936

deposit

broken glass at the base of the post.

50.60 Center of the Denver and Rio Grande R. R. track, bears N.72°06'W. and S.72°06'E.

51.40 Telegraph line, bears with railroad.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for the corner of sections 19, 20, 29, and 30, with brass cap marked

T21S R22E

S19 | S20

S30 | S29

1936

deposit a

quart of charcoal at the base of the post.

Land, gently rolling desert; drainage SE.
Soil, sandy loam, alkaline; 3rd rate.
Timber, none.
Undergrowth, shadscale, and white sagebrush.
Poor grazing.

N.89°57'E., on a random line, between sections 20 and 29.

40.00 Set a temporary $\frac{1}{4}$ section corner.

79.90 Intersect the north and south line at a point 9 links north of the corner of sections 20, 21, 28, and 29.

Thence

N.89°59'W., on true line, between sections 20 and 29.

Over rolling land, through a scant undergrowth.

15.20 Low spur, projects SE.

39.95 In the bottom of a small draw, draining S.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ section corner, with brass cap marked

S. 20

$\frac{1}{4}$

S. 29

1936

SUBDIVISION OF T. 21 S., R. 22 E.

Chains	
	broken glass at the base of the post. deposit
57.00	Wash, 10 links wide, 3 ft. deep, drains S.
79.90	The corner of sections 19, 20, 29, and 30.
	Land, rolling desert; drainage SW. Soil, deep clay; 3rd rate. Timber, none. Undergrowth, shadscale, and white sagebrush. Poor grazing.
	S.89°59'W., on a random line, between sections 19 and 30.
40.00	Set a temporary $\frac{1}{4}$ section corner.
77.66	Intersect the west boundary of the township at a point 2 links south of the corner of sections 19, 24, 25, and 30 heretofore described.
	Thence
	East, on true line, between sections 19 and 30.
	Over rolling land, through a scant undergrowth.
4.60	Center of the Denver and Rio Grande R. R. track, bears S.63°24'E. and N.63°24'W.
6.20	Telegraph line, bears with railroad track.
37.66	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ section corner, with brass cap marked
	S 19 $\frac{1}{4}$ S 30 1936
	deposit a sandstone rock, 8x6x4 ins., marked with a cross (X) at the base of the post.
45.40	Low spur, projects SE.; descend along a gentle E. slope.
60.40	Wash, 40 links wide, 4 ft. deep, drains SE.
67.00	Wash, 40 links wide, 6 ft. deep, drains S.; small stream of alkaline water in the bottom.
77.66	The corner of sections 19, 20, 29, and 30.
	Land, rolling desert; drainage SE. Soil, deep clay; 3rd rate. Timber, none. Undergrowth, white sagebrush. Poor grazing.
	North, between sections 19 and 20.
	Over rolling desert, through a scant undergrowth.
10.40	Small wash, drains W.
37.50	Wash, 30 links wide, 7 ft. deep, drains SW.

SUBDIVISION OF T. 21 S., R. 22 E.

Chains

40.00 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ section corner, with brass cap marked

$\frac{1}{4}$
S19|S20
1936

deposit a sandstone rock, 8x6x4 ins., marked with a cross (X) at the base of the post.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for the corner of sections 17, 18, 19, and 20, with brass cap marked.

T21S R22E
S18|S17
S19|S20
1936

deposit a sandstone rock, 10x6x4 ins., marked with a cross (X) at the base of the post.

Land, rolling desert; W. exposure and drainage.

Soil, deep clay; 3rd rate.

Timber, none.

Undergrowth, white sagebrush.

Poor grazing.

S.89°59'E., on a random line, between sections 17 and 20.

40.00 Set a temporary $\frac{1}{4}$ section corner.

79.86 Intersect the corner of sections 16, 17, 20, and 21.

Thence

N.89°59'W., between sections 17 and 20, on true line,

Over rolling desert, through a scant undergrowth.

16.10 Small wash, drains S.

39.93 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ section corner, with brass cap marked

S 17
 $\frac{1}{4}$
S 20
1936

deposit a sandstone rock, 6x4x3 ins., marked with a cross (X) at the base of the post.

45.90 Wash, 25 links wide, 5 ft. deep, drains SW.

51.90 Wash, 20 links wide, 3 ft. deep, drains S.

79.86 The corner of sections 17, 18, 19, and 20.

Land, rolling desert; SW. exposure and drainage.

Soil, deep clay; 3rd rate.

Timber, none.

Undergrowth, white sagebrush.

Poor grazing.

SUBDIVISION OF T. 21 S., R. 22 E.

Chains

- West, on a random line, between sections 18 and 19.
- 40.00 Set a temporary $\frac{1}{4}$ section corner.
- 77.63 Intersect the corner of sections 13, 18, 19, and 24 on the west boundary of the township, heretofore described.
- Thence
- East, on true line, between sections 18 and 19.
- Over rolling desert, through a scant undergrowth.
- 13.90 Wash, 150 links wide, 12 ft. deep, drains SE.; small stream of alkaline water in bottom.
- 37.63 Set an iron post, 3 ft. long, 1 in. diam., 14 ins. in the ground to solid rock, and in a large mound of stone for the $\frac{1}{4}$ section corner, with brass cap marked
- $$\begin{array}{r} S\ 18 \\ \frac{1}{4} \\ S\ 19 \\ 1936 \end{array}$$
- deposit a quart of charcoal at the base of the post.
- 51.20 Wash, 40 links wide, 8 ft. deep, drains S.
- 77.63 The corner of sections 17, 18, 19, and 20.
- Land, gently rolling desert; drainage S.
- Soil, decomposed shale; 3rd rate.
- Timber, none.
- Undergrowth, shadscale, and white sagebrush.
- Poor grazing.
-
- North, between sections 17 and 18.
- Over rolling land, through a scant undergrowth.
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ section corner, with brass cap marked
- $$\begin{array}{r} \frac{1}{4} \\ S18\ S17 \\ 1936 \end{array}$$
- deposit a sandstone rock, 6x5x4 ins., marked with a cross (X) at the base of the post.
- 59.90 Low spur, projects W.
- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for the corner of sections 7, 8, 17, and 18, with brass cap marked
- $$\begin{array}{r} T21S\ R22E \\ S7\ S8 \\ S18\ S17 \\ 1936 \end{array}$$
- deposit a sandstone rock, 4x3x3 ins., marked with a cross (X) at the base of the post.

SUBDIVISION OF T. 21 S., R. 22 E.

Chains

Land, rolling desert; drainage W.
Soil, deep clay; 3rd rate.
Timber, none.
Undergrowth, rabbit brush, and white sagebrush.
Poor grazing.

S.89°59'E., on a random line, between sections 8 and 17.

40.00 Set a temporary $\frac{1}{4}$ section corner.

79.86 Intersect the corner of sections 8, 9, 16, and 17.

Thence

N.89°59'W., on true line, between sections 8 and 17.

Over rolling land, through a scant undergrowth.

39.93 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ section corner, with brass cap marked

S 8
 $\frac{1}{4}$ —
S 17
1936

deposit a sandstone rock, 6x5x3 ins., marked with a cross (X) at the base of the post.

79.86 The corner of sections 7, 8, 17, and 18.

Land, gently rolling desert; drainage S.
Soil, deep clay; 3rd rate.
Timber, none.
Undergrowth, shadscale, and white sagebrush.
Poor grazing.

West, on a random line, between sections 7 and 18.

40.00 Set a temporary $\frac{1}{4}$ section corner.

77.72 Intersect the west boundary of the township at a point 2 links south of the corner of sections 7, 12, 13, and 18, heretofore described.

Thence

S.89°59'E., on true line, between sections 7 and 18.

Over rolling desert, through a scant undergrowth.

26.30 Wash, 40 links wide, 6 ft. deep, drains S.

37.72 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ section corner, with brass cap marked

S 7
 $\frac{1}{4}$ —
S 18
1936

broken glass at the base of the post.

deposit

44.50 Wash, 20 links wide, 8 ft. deep, drains S.

SUBDIVISION OF T. 21 S., R. 22 E.

Chains

anled3

61.20 Wash, 40 links wide, 12 ft. deep, drains S.

77.72 The corner of sections 7, 8, 17, and 18.

Land, gently rolling desert; drainage S.
Soil, deep clay, and decomposed shale; 3rd rate.
Timber, none.
Undergrowth, shadscale.
Poor grazing.

North, between sections 7 and 8.

Over rolling land, through a scant undergrowth; ascend along a general W. slope.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ section corner, with brass cap marked

$\frac{1}{4}$
S7 | S8
1936

deposit a quart of charcoal at the base of the post.

41.80 Spur, projects W.; descend along a N. slope.

49.60 Draw, drains W.; ascend along a gradual S. slope.

79.00 Spur, projects W.; descend abruptly over a N. slope.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for the corner of sections 5, 6, 7, and 8, with brass cap marked

T21S R22E
S6 | S5
S7 | S8
1936

deposit a sandstone rock, 6x4x3 ins., marked with a cross (X) at the base of the post.

Land, rolling hills; general W. exposure and drainage.
Soil, decomposed shale; 3rd rate.
Timber, none.
Undergrowth, rabbit brush, and white sagebrush.
Poor grazing.

S.89°59'E., on a random line, between sections 5 and 8.

40.00 Set a temporary $\frac{1}{4}$ section corner.

79.86 Intersect the north and south line at a point 7 links north of the corner of sections 4, 5, 8, and 9.

Thence

N.89°56'W., on true line, between sections 5 and 8.

Over rolling land, through a scant undergrowth.

39.93 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ section corner, with brass cap marked

SUBDIVISION OF T. 21 S., R. 22 E.

Chains

S 5

+

S 8

1936

deposit a
sandstone rock, 4x3x3 ins., marked with a cross (X) at
the base of the post.

77.50 Spur, projects S.60°W.

79.86 The corner of sections 5, 6, 7, and 8.

Land, rolling desert; drainage NE.

Soil, deep clay; 3rd rate.

Timber, none.

Undergrowth, shadscale.

Poor grazing.

N.89°59'W., on a random line, between sections 6 and 7.

40.00 Set a temporary $\frac{1}{2}$ section corner.

77.66 Intersect the west boundary of the township at a point
5 links south of the corner of sections 1, 6, 7, and 12,
heretofore described.

Thence

S.89°57'E., on true line, between sections 6 and 7.

Over rolling land, through a scant undergrowth.

6.20 Low spur, projects SE.; descend along a gradual NE. slope.

19.40 Shallow draw, drains SE.; ascend along a SW. slope.

33.70 Low spur, projects S.; descend along a gentle E. slope.

37.66 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in
the ground, for the $\frac{1}{2}$ section corner, with brass cap
marked

S 6

+

S 7

1936

deposit a
sandstone rock, 6x4x3 ins., marked with a cross (X) at
the base of the post.

46.30 Shallow draw, drains S. from the NE.; ascend along a
NW. slope.

64.00 Low spur, projects S.

72.00 Shallow draw; drains SW.; ascend along a gradual NW.
slope.

77.66 The corner of sections 5, 6, 7, and 8.

Land, rolling hills; drainage S.

Soil, deep clay, and decomposed shale; 3rd rate.

Timber, none.

Undergrowth, shadscale.

Poor grazing.

SUBDIVISION OF T. 21 S., R. 22 E.

Chains

enismu

North, on true line, between sections 5 and 6.

Over rolling land, through a scant undergrowth.

- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ section corner, with brass cap marked

$\frac{1}{4}$
S6 | S5
1936

deposit a
sandstone rock, 7x5x3 ins., marked with a cross (X) at the base of the post.

- 79.14 Intersect the Fourth Standard Parallel South at a point 2.55 chains N.89°46'E. of the standard corner of section 31 and 32, Township 20 South, Range 22 East, an iron post 3 ins. diameter, firmly set, properly marked and witnessed as described in the official record.

At the point of intersection.

Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for the closing corner of sections 5 and 6, Township 21 South, Range 22 East, with brass cap marked

T20S R22E
S32
S6 | S5
T21S R22E
CC
1936

deposit a
sandstone rock, 5x4x3 ins., marked with a cross (X) at the base of the post.

Land, rolling desert; drainage NE.
Soil, deep clay; 3rd rate.
Timber, none.
Undergrowth, shadscale.
Poor grazing.

Establishment of $\frac{1}{4}$ section corners, between closing corners along the north boundary of Township 21 South, Range 22 East.

Section I

At a point 2.66 chains N.89°46'E. of the standard $\frac{1}{4}$ section corner of section 36, Township 20 South, Range 22 East, an iron post, 1 inch diameter, firmly set, properly marked and witnessed as described in the official record.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ section corner of section 1, Township 21 South, Range 22 East, only, with brass cap marked

$\frac{1}{4}$ S1
1936

deposit a
quart of charcoal at the base of the post.

SUBDIVISION OF T. 21 S., R. 22 E.

Section 2.

At a point 2.50 chains N.89°46'E. of the standard $\frac{1}{4}$ section corner of section 35, Township 20 South, Range 22 East, an iron post, 1 inch diameter, firmly set, properly marked and witnessed as described in the official record.

Set an iron post, 3 ft. long, 1 in. diameter, 30 ins. in the ground, for the $\frac{1}{4}$ section corner of section 2, Township 21 South, Range 22 East, only, with brass cap marked

$\frac{1}{4}$ S2

1936

deposit a sandstone rock, 8x4x2 ins., marked with a cross (X) at the base of the post.

Section 3.

At a point 2.59 chains N.89°46'E. of the standard $\frac{1}{4}$ section corner of section 34, Township 20 South, Range 22 East, an iron post, 1 inch diameter, firmly set, properly marked and witnessed as described in the official record.

Set an iron post, 3 ft. long, 1 in. diameter, 30 ins. in the ground, for the $\frac{1}{4}$ section corner of section 3, Township 21 South, Range 22 East, only, with brass cap marked

$\frac{1}{4}$ S3

1936

deposit a quart of charcoal at the base of the post.

Section 4.

At a point 2.52 chains N.89°46'E. of the standard $\frac{1}{4}$ section corner of section 33, Township 20 South, Range 22 East, an iron post, 1 in. diameter, firmly set, properly marked and witnessed as described in the official record.

Set an iron post, 3 ft. long, 1 in. diameter, 30 ins. in the ground, for the $\frac{1}{4}$ section corner of section 4, Township 21 South, Range 22 East, only, with brass cap marked

$\frac{1}{4}$ S4

1936

deposit a quart of charcoal at the base of the post.

Section 5.

At a point 2.48 chains N.89°46'E. of the standard $\frac{1}{4}$ section corner of section 32, Township 20 South, Range 22 East, an iron post, 1 in. diameter, firmly set, properly marked and witnessed as described in the official record.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins., in the ground, for the $\frac{1}{4}$ section corner of section 5, Township 21 South, Range 22 East, only, with brass cap marked

$\frac{1}{4}$ S5

1936

SUBDIVISION OF TOWNSHIP 21 S., R. 22 E.

Chains

deposit a

sandstone rock, 5x4x1 ins., marked with a cross (X) at the base of the post.

Section 6.

At a point 2.55 chains N. 89° 46' E. of the standard $\frac{1}{4}$ section corner of section 31, Township 20 South, Range 22 East, an iron post, 1 in. diameter, firmly set, properly marked and witnessed as described in the official record.

Set an iron post, 3 ft. long, 1 in. diameter, 30 ins. in the ground, for the $\frac{1}{4}$ section corner of section 6, Township 21 South, Range 22 East, only, with brass cap marked

$\frac{1}{4}$ S6
1936

deposit a

sandstone rock, 8x3x2 ins., marked with a cross (X) at the base of the post.

GENERAL DESCRIPTION

The land covered by the survey is a rolling bench, cut by numerous small washes, draining into Sager wash in the south and west parts, and into Nash Wash in the north and east. A small corner in the extreme northeast drains easterly into Cisco Wash. In both Nash and Sager washes are small, intermittent streams of water. These comprise the only living water in the township, and are too alkaline to be used by human beings; both are used for stock and sheep.

The soil is a deep, heavy clay, very alkaline in character, and may be classed as third rate.

There is no timber in the township. The undergrowth is very scant, and consists of sagebrush, shadscale, greasewood and rabbit brush. The undergrowth provides poor grazing for stock.

In sections 3 and 4 is a small cultivated area, about 20 acres, owned by G. A. Fuller, of Cisco, Utah. It is under fence. On this land is a small brush cabin, used part of the time by Fuller.

The main line of the Denver & Rio Grande Railroad and U. S. Highway No. 50 run in an easterly direction through the southern part of the township. The station house of Whitehouse is located in section 35. In the northeast corner of the township is a secondary road leading from Highway No. 50 to the old Turner Ranch, in T. 20 S., R. 21 E., and to an abandoned oil well in T. 20 S., R. 22 E.

There are no indications of any commercial deposits of mineral in the township. The abandoned oil well mentioned above, and now used as a source of natural gas, is located in the NW $\frac{1}{4}$ of section 32, T. 20 S., R. 22 E., and indicates that there is a possibility of gas in the township under survey. No magnetic declination was taken on account of a defective needle.

CERTIFICATE OF UNITED STATES SURVEYOR

I, Robert C. Yundt, HEREBY CERTIFY upon honor that
 pursuance of special instructions bearing date of the 29th day of November, 1925,
 received from the district cadastral engineer for Utah, with assignm
 instructions dated October 29, 1936, I have ~~surveyed~~ independently resurveyed the
east boundary, independently resurveyed the west boundary, and survey
the subdivision of township 21 south, range 22 east,

of the Salt Lake Meridian, in the State of Utah, which
 represented in the foregoing field notes as having been executed by me and under my direction; and that s
 survey has been made in strict conformity with said instructions, the Manual of Instructions for the Sur
 of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.
Salt Lake City, Utah,
February 2, 1940.

Robert C. Yundt.
 Surveyor.

CERTIFICATE OF APPROVAL

OFFICE OF U.S. SUPERVISOR OF SURVEYS,

Denver, Colo., November 5, 1943

The foregoing field notes of the ~~survey~~ independent resurvey of the east boundary,
independent resurvey of the west boundary, and survey of the subdivis
of township 21 south, range 22 east, of the Salt Lake Meridian, Utah,

executed by Robert C. Yundt, surveyor
 under special instructions dated November 29, 1925, and assignmen
 instructions dated October 29, 1936, having been critically examined, and
 the necessary corrections made prior to their certification by the engineer, the said field notes, and the survey
 therein described, are hereby approved.

William A. Johnson
 U.S. Supervisor of Surveys.

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in _____
 _____, is a true copy of the original field notes on file in the public survey office.

U.S. Supervisor of Surveys.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GENERAL LAND OFFICE

FIELD NOTES

DEPENDENT RESURVEY OF THE SECTION BOUNDARIES.

THE SUBDIVISION OF THE SECTIONS

4 AND 9, T. 22 S., R. 19 E.

Of the Salt Lake Meridian,

in the State of Utah.

EXECUTED BY

Elliot Bird, Associate Cadastral Engineer

Robert C. Yundt, Assistant Cadastral Engineer

Under special instructions dated April 18, 1942, which provided
for the surveys included under Group No. 327, bearing the approval of the
Commissioner of the General Land Office under date of April 27, 1942
and assignment instructions dated April 29, 1942.

Survey commenced May 5, 1942.

Survey completed May 10, 1942.

INDEX . DIAGRAM.

Township 22 South _____, Range 19 East _____
1

6	5 10	4 5	8	2	1
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7	8 8	9 4	10	11	22
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18	17 6	16 2	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

Subdivision of section 4, pages 11 to 13.
Subdivision of section 9, pages 13 to 14.

T. 22 S., R. 19 E.

Chains

Authorization for the survey of Group 327, Utah, is based upon the request of the Bureau of Mines, for the work in connection with drilling for magnesium salts. The survey constitutes a reestablishment of the boundaries of secs. 4 and 9, T. 22 S., R. 19 E., Salt Lake Meridian, Utah, and such subdivision of section surveys as will define the north-south and east-west center lines of said secs., and also the north-south and east-west center lines of the SE $\frac{1}{4}$ of sec. 4.

The survey commenced May 5, 1942, and executed with Buff and Buff transit No. 13003. The instrument is equipped with a Smith solar attachment and had a full vertical circle. The horizontal limb is provided with two double verniers placed opposite to each other, and reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs, and vertical circle. The instrument was approved for use on this survey, conditional upon satisfactory field tests, by the district cadastral engineer for Utah, in assignment instructions dated April 29, 1942. At the commencement of this survey, the instrument was tested and found free from any appreciable error. Throughout the progress of the survey, the instrument was frequently tested and kept in good adjustment.

The country over which the lines of this survey were projected is open, and the solar attachment was not used. All azimuths in this record are referred to a true meridian established by observation made upon Polaris at the cor. of secs. 3, 4, 9, and 10. The bearings of the lines were determined by deflection angles from this true meridian, and the lines were carried forward by fore and back sights. A degree of accuracy was attained in this survey in order that it would be in conformity with the requirements of a mineral survey.

The measurements were made with a Lallie steel tape 5 chains in length, graduated every link for the first 100 links and thereafter at intervals of 10 links. The tape was tested, comparison being made with a Lufkin standard steel tape 1 chain in length and found correct. The measurements were made on the slope, the vertical angle determined with the transit, and the slope measurements properly reduced to true horizontal distances, which appear in this record.

The data furnished with the special instructions for the survey of this group, gives the geodetic position of the southeast corner of the township, as being in latitude 39°51' N., and longitude 109°46' W.

DEPENDENT RESURVEY PORTION NORTH BOUNDARY, T. 22 S., R. 19 E.

Reestablishment of surveys executed by
W.D. Heist and J.H. Winwood, U.S. Deputy
Surveyors, in 1908, and resurveyed by
Ralph Gentry, U.S. Surveyor, in 1919.

The cor. of secs. 3, 4, 33, and 34, on the north bdy. of T. 22 S., R. 19 E., is an iron post, 2 ins. diam., set, marked, and witnessed, as described in the official record of the survey of T. 21 S., R. 19 E.

Thence, from the above cor.

N. 89°59' W., bet. secs. 4 and 33.

Over rolling desert land, through scattered short undergrowth.

DEPENDENT RESURVEY PORTION NORTH BOUNDARY, T. 22S., R. 19E.

Chains

- 7.90 Center of oiled U.S. Highway No. 160, bears N. $3^{\circ}38'$ W., and S. $3^{\circ}38'$ E.
- 31.20 Wash, 120 lks. wide, 20 ft. deep, drains S. 15° W.; ascends gradual SE. slope of rolling hills.
- 40.00 The $\frac{1}{4}$ sec. cor. of secs. 4 and 33, an iron post, 1 in. diam., set, marked, and witnessed, as described in the official record.
- Thence, N. $89^{\circ}53'$ W.
- 9.00 Ascent becomes abrupt, bears N. 10° E. and S. 10° W.
- 17.50 Low ridge, 75 ft. high, bears N. 10° E. and S. 10° W.
- 22.40 Draw, 75 ft. deep, drains S. 60° W.; ascend SE. slope.
- 36.90 Low spur, 75 ft. high, slopes S. 80° W., and bears N. 10° E.
- 40.04 The cor. of secs. 4, 5, 32, and 33, an iron post, 2 ins. diam., set, marked, and witnessed, as described in the official record.

Land, rolling, with a general southerly drainage.
Soil, deep clay and gravel; 3rd rate.
No timber.

Undergrowth, sage and black brush, shadscale, greasewood, mountain rush, weeds, and grass.
Fair grazing land.

DEPENDENT RESURVEY PORTION SUBDIVISION, T. 22S., R. 19E.

Reestablishment of surveys executed by
H.D. Heist and J.H. Winwood, U.S. Deputy
Surveyors, in 1902.

The $\frac{1}{4}$ sec. cor. of secs. 15 and 16, is a redwood post, 30 ins. long, 4 ins. square, firmly set, marked $\frac{1}{4}$ S16 on W. face, and S15 on E. face. Cor. has no accessories.

At the cor. point:

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, with the original cor. monument deposited alongside, for $\frac{1}{4}$ sec. cor., with brass cap marked

S16 | S15

1942

No other suitable accessories available.

Thence, from the above cor.

N. $0^{\circ}10'$ W., bet. secs. 15 and 16.

Over rolling desert land, through scattered short undergrowth.

- 39.40 Unimproved road, bears S. 60° W., to the derrick of a Star rig of an oil well prospect, and N. 60° E., 3.00 chs. dist. to its junction with U.S. Highway No. 160.

- 40.08 Proportionate distance; find no trace of the cor. of secs. 9, 10, 15, and 16.

DEPENDENT RESURVEY PORTION SUBDIVISION, T. 22 S., R. 19 E.

Chains

At the point for cor., which falls in the ruins of an old steam boiler room.

Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for cor. of secs. 9, 10, 15, and 16, with brass cap marked

T22S	R19E
S9	S10
S16	S15

1942

halves of fire bricks, at the base of the post. deposit five

From this cor., the derrick to a star rig of an oil well prospect, bears S. $54^{\circ}25'$ W., 7.91 chs. dist.

Land, rolling desert.

Soil, deep clay, sand, and gravel; 3rd rate.

Undergrowth, scattered short greasewood, sage and black brush, mountain rush, weeds, and grass.

No timber.

Fair grazing land.

The cor. of secs. 10, 11, 14, and 15, is a pine post, 4 ins. square, 36 ins. long, finely set, marked T22S S11, on NE. face, R19E S14, on SE. face, S15, on SW. face, and S9, on NW. face. Cor. has no accessories.

At the cor. point:

Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, with the original cor. monument deposited alongside the iron post, for cor. of secs. 10, 11, 14, and 15, with brass cap marked

T22S	R19E
S10	S11
S15	S14

1942

No other accessories available.

Thence, from the above cor.

N. $89^{\circ}50'$ W., bet. secs. 10 and 15.

Descend gradual W. slope of rolling bench land, through scattered short undergrowth.

12.60 Wash, 50 lks. wide, 2 ft. deep, drains S. 30° W.

17.70 Wash, 70 lks. wide, 4 ft. deep, drains S.

30.00 Wash, 5 lks. wide, 2 ft. deep, drains S. 15° W.

40.11 Proportionate distance; find no trace of the $\frac{1}{4}$ sec. cor.

DEPENDENT RESURVEY PORTION SUBDIVISION, T.22S., R.19E.

Chains

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

$$\begin{array}{r} S10 \\ \frac{1}{4} \\ \hline S15 \end{array}$$

1942

deposit a sandstone, 6 x 4 x 3 ins., at base of post, marked X.

42.80 Low spur, slopes S.

50.30 Wash, 10 lks. wide, 3 ft. deep, drains S.

77.50 Center of oiled U.S. Highway No. 160, bears N. $3^{\circ}38'$ W., and S. $3^{\circ}38'$ E.

78.80 Unimproved road to oil well prospect, bears S. 60° W., and N. 60° E.

80.22 The cor. of secs. 9, 10, 15, and 16.

Land, rolling desert.

Soil, deep sand and clay; 3rd rate.

No timber.

Undergrowth, sage and black brush, greasewood, shadscale, mountain rush, weeds, and grass.

Fair grazing land.

N. $0^{\circ}04'$ E., bet. secs. 9 and 10.

Over rolling desert land, through scattered short undergrowth.

2.00 Wash, 10 lks. wide, 2 ft. deep, drains N. 70° E.

10.00 Low rise, bears E. and W.

40.00 The true point for the $\frac{1}{4}$ sec. cor. of secs. 9 and 10.

Cor. monument is missing and true point for cor. falls in center of U.S. oiled Highway No. 160, bears N. $3^{\circ}38'$ W., and S. $3^{\circ}38'$ E. The Utah State Road Commission states that in the construction of this highway, the original cor. monument was removed by them and at the true point for the cor., 12 ins. under the surface of the highway, a bronze tablet marked COR 9 on the west half of tablet and 10, on E. half of tablet, was set in concrete. The cor. monument was witnessed by them, by four steel pins, 1 in. diam., extending 6 ins. above ground, at points NE., SE., SW., and NW., 100 ft. dist. from the cor. monument. I determined the true point for the $\frac{1}{4}$ sec. cor. from these reference points.

Thence, North.

28.70 Wash, 20 lks. wide, 3 ft. deep, drains S. 30° E.

40.20 The cor. of secs. 3, 4, 9, and 10, a redwood post, 4 ins. square, 36 ins. long, firmly set, marked 5 notches on S. edge and 3 notches on E. edge. Cor. has no accessories.

DEPENDENT RESURVEY PORTION SUBDIVISION, T.22S., R.19E.

Chains

At the cor. point:

Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, with the original cor. monument deposited alongside the base of the post, for cor. of secs. 3, 4, 9, and 10, with brass cap marked

T22S	R19E
S4	S3
S9	S10

1942

No other suitable accessories available.

Land, rolling desert.

Soil, deep sand and clay loam; 3rd rate.

No timber.

Undergrowth, sage and black brush, chadscale, greasewood, mountain rush, weeds, and grass.

Fair grazing land.

May 5, 1942: Stationed at the cor. of secs. 3, 4, 9, and 10, in approximate latitude $36^{\circ}55'$ N.; longitude $109^{\circ}49'$ W., at 6h 19.4m p.m. correct 105th meridian standard time, we make an hour angle observation on Polaris west of the meridian, making four observations, two each with the telescope in direct and reversed positions, reading the horizontal deflection angle from the 1 sec. cor. of secs. 3 and 4, in a counter clockwise direction to the star.

Local mean time of observation..... 6h 6.1' p.m.

Mean horizontal deflection angle cor. to star $1^{\circ} 07'$ Azimuth of Polaris $1^{\circ} 14'$ W.True bearing to the 1 sec. cor. $2.0^{\circ} 07'$ W.

Thence, from the above cor.

N. $0^{\circ} 07'$ W., bet. secs. 3 and 4.

Over rolling desert land, through scattered short undergrowth.

20.04 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the S. $1/16$ sec. cor. secs. 3 and 4, with brass cap marked

S	$\frac{1}{16}$
S4	S3

1942

deposit

broken glass at the base of the post.

40.08 The 4 sec. cor., a juniper post, 4 ins. square, 12 ins. long, firmly set, marked S4 on W. face and S3 on E. face. Cor. has no accessories.

At the cor. point:

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, with the original cor. monument deposited alongside the base of the iron post, for 4 sec. cor., with brass cap marked

Chains

$$\frac{1}{4}$$

S14	S3
-----	----

1942

pieces of scrap iron at the base of the post. deposit

From this cor., the derrick of a Standard rig of an oil well prospect, bears S. $26^{\circ}46'$ W.

The derrick of a Star rig of an oil well prospect, bears S. $29^{\circ}23'$ W.

The derrick of a test well for magnesium salts, now in operation, bears S. $32^{\circ}31'$ W.

Thence, W. $0^{\circ}12'$ W.,

47.17 The cor. of secs. 3, 4, 33, and 34, on the N. bdy. of the township.

Land, rolling desert.

Soil, deep sand and clay loam; 3rd rate.

No timber.

Undergrowth, sage and black brush, shadscale, greasewood, mountain rush, weeds, and grass.

Fair grazing land.

The $\frac{1}{4}$ sec. cor. of secs. 16 and 17, is a pine post, 4 ins square, 36 ins. long, firmly set, marked S17 on W. face, and S16 on E. face. Cor. has no accessories.

At the cor. point:

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, with the original cor. monument deposited at the base of the post, for $\frac{1}{4}$ sec. cor., with brass cap marked

$$\frac{1}{4}$$

S17	S16
-----	-----

1942

No other accessories available.

Thence, from the above cor.

N. $0^{\circ}04'$ W., bet. secs. 16 and 17.

Over rolling desert land, through scattered short undergrowth.

40.06

Proportionate distance; find no trace of the cor. of secs. 8, 9, 16, and 17. Indications show that the original cor. monument had been removed by floods or covered with several feet of silt.

At the point for cor.

Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for the cor. of secs. 8, 9, 16, and 17, with brass cap marked

DEPENDENT RESURVEY PORTION SUBDIVISION, T.22S., R.19E.

Chains

T22S	R19E
S8	S9
S17	S16

1942

deposit a sandstone, 14 x 10 x 10 ins., at base of post, marked X.

Land, rolling desert.

Soil, deep clay and sand loam; 3rd rate.

No timber.

Undergrowth, sage and black brush, shadscale, greasewood, weeds, and grass.

Fair grazing land.

From the cor. of secs. 9, 10, 15, and 16.

N. 89°53' W., bet. secs. 9 and 16.

Over rolling desert land, through scattered short undergrowth.

1.60 Small wash, 5 lks. wide, 2 ft. deep, drains SW.

20.10 Small wash, drains SE.

40.15 The $\frac{1}{4}$ sec. cor. of secs. 9 and 16, a pine post, 4 ins. square, 36 ins. long, firmly set, marked $\frac{1}{4}$ S9 on N. face, and S16 on S. face. Cor. has no accessories.

At the cor. point:

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, with the original cor. monument deposited alongside, for $\frac{1}{4}$ sec. cor., with brass cap marked

S9

S16

1942

No other accessories available.

Thence, S. 89°56' W., ~~bet. secs. 9 and 16~~

34.60 Large main wash, 1.20 chs. wide, 30 ft. deep, drains S. 15° E.

40.00 The cor. of secs. 8, 9, 16, and 17.

Land, rolling desert.

Soil, deep sand, clay, and gravel; 3rd rate.

No timber.

Undergrowth, sage, rabbit, and black brush, shadscale, greasewood, mountain rush, weeds, and grass.

Fair grazing land.

N. 89°57' W., bet. secs. 8 and 17.

Over rolling desert land, and across flood plain, through scattered short undergrowth.

DEPENDENT RESURVEY PORTION SUBDIVISION, T.22S., R. 19 E

chains

33.10 Wash, 20 lks. wide, 3 ft. deep, drains SE.

35.50 Leave flood plain and enter rolling clay flats, bears N. and S.

40.00 The $\frac{1}{2}$ sec. cor. of secs. 8 and 17, a pine post, 3 ins. square, 36 ins. long, firmly set, marked S8 on N. face, and S17 on S. face. Cor. has no accessories.

At the cor. point:

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, with the original cor. monument deposited alongside post, for $\frac{1}{2}$ sec. cor., with brass cap marked

S8

S17

1942

No other accessories available.

Land, rolling sandy flood plain.
Soil, deep loose sand; 3rd rate.
No timber.Undergrowth, tumble weeds and greasewood.
Fair grazing land.

From the cor. of secs. 8, 9, 16, and 17.

N. $0^{\circ}04'$ W., bet. secs. 8 and 9.

Over sandy flood plain, through dense tumble weeds, and greasewood.

40.06 Proportionate distance; find no trace of the $\frac{1}{2}$ sec. cor. Indications show that the cor. monument had been removed by floods or covered with silt.

At the cor. point:

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for $\frac{1}{2}$ sec. cor., with brass cap marked

S8. | S9

1942

sandstone, 8 x 4 x 2 ins., at base of post, deposit a marked X.

Continue on same line with continuous measurement.

45.00 Leave flood plain and enter rolling desert land, bears NE. and S.W.

50.12 The cor. of secs. 4, 5, 8, and 9, a sandstone, 20 x 15 x 10 ins., firmly set, marked 5 notches on S. edge and 4 notches on E. edge. Cor. is witnessed by a small mound of stone.

At the cor. point:

Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, with the original cor. monument deposited at the

DEPENDENT RESURVEY PORTION SUBDIVISION, T.22S., R.19E.

Chains

base of the post, for cor. of secs. 4, 5, 8, and 9, with brass cap marked

T22S	R19E
S5	S4

S8	S9
----	----

1942

mound of stone, 3 ft. base, 2 ft. high, W. of cor. ^{raise a}

Land, rolling flood plain and desert.

Soil, deep sand, clay, and gravel; 3rd rate.

No timber.

Undergrowth, sage, black, and rabbit brush, greasewood, weeds, and grass.

Fair grazing land.

From the cor. of secs. 3, 4, 9, and 10.

S. 89°58' W., bet. secs. 4 and 9.

Over rolling desert land, through scattered short undergrowth.

2.60 Center of oiled U.S. Highway No. 160, bears N. 37°00' W., and S. 3°30' E.

13.80 Forks of unimproved road, bears N. 30° E., S. 30° E., and N. 70° W.

20.07 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the E. 1/16 sec. cor. secs. 4 and 9, with brass cap marked

E 1/16	S4
	S9

1942

large piece of cast iron at the base of the post. ^{deposit a}

From this cor., the derrick to a standard rig of an oil well prospect, bears S. 27°00' W.

The derrick to a Star rig of an oil well prospect, bears N. 34°08' W.

The derrick to a test well drilling for magnesium salts, now in operation, bears N. 37°52' W.

The W. gable to a frame building used as a boarding house, bears N. 76°09' E., about 5.00 chs. dist.

35.10 Top of E. bank of large main wash, 30 ft. high, bears N. 80° E. and SW. thence across wash which drains SW. from N. 80° E.

40.14 The 1/4 sec. cor. of secs. 4 and 9, on W. bank of wash, 30 ft. high, bears SW. and N. 80° E.

Cor. is a sandstone, 7 x 6 x 6 ins. above ground, firmly set, marked 1/4 on E. face. Cor. has no accessories.

Chains

As this cor. is an unsafe place, I do not remonument same.
Continue on same line with continuous measurement.

41.14

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for witness cor. to the $\frac{1}{4}$ sec. cor. secs. 4 and 5 with brass cap marked

$$\frac{34}{4} \text{ WC}$$

1942

mound of stone, 3 ft. base, 2 ft. high, N. of cor. ^{raise a}

60.00

Small wash, drains SW.

80.30

The cor. of secs. 4, 5, 8, and 9.

Land, rolling desert.

Soil, deep clay, sand, and gravel; 3rd rate.

No timber.

Undergrowth, sage, black, and rabbit brush, shadscale, mountain rush, greasewood, weeds, and grass.

Fair grazing land.

N. 0°01' E., bet. secs. 4 and 5.

Ascend SE. slope of low rolling hills, through scattered short undergrowth.

9.40

Low ridge, bears S. 20° W. and N. 20° E.

25.60

Recross ridge, bears N. 15° W. and S. 15° E.

40.06

Proportionate distance; find no trace of the $\frac{1}{4}$ sec. cor. of secs. 4 and 5.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

$$\frac{34}{4} \text{ WC}$$

1942

sandstone, 13 x 7 x 7 ins., at base of post, marked X. ^{deposit a}

Continue on same line with continuous measurement.

46.40

Head of small draw, drains SE.

56.50

Low main ridge, bears N. 15° E. and S. 15° W.

82.40

Shallow draw, drains SW.

85.10

Low spur, projects S. 80° W.

87.00

Small draw, drains NW.

87.39

The cor. of secs. 4, 5, 32, and 33, on the N. bdy. of the township.

Land, low rolling hills.

Soil, deep gravel, clay, and sand; 4th rate.

DEPENDENT RESURVEY PORTION SUBDIVISION, T.22S., R.19E.

Chains

No timber.
Undergrowth, sage, black, and rabbit brush, greasewood, shadscale, weeds, and grass.
Fair grazing land.

SUBDIVISION OF SECTION SURVEYS, T. 22 S., R. 19 E.

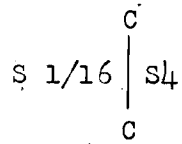
Sec. 4.

From the $\frac{1}{4}$ sec. cor. of secs. 4 and 9.

N. $0^{\circ}03'$ W., on N. and S. center line of sec. 4.

Over rolling desert land, through scattered short undergrowth.

20.04 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the center south $\frac{1}{16}$ sec. cor. of sec. 4, with brass cap marked

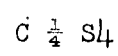


1942

deposit a sandstone, 8 x 7 x 1 ins., at base of post, marked X.

40.08 At the intersection with the true E. and W. center line of sec. 4.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the center $\frac{1}{4}$ sec. cor. of sec. 4, with brass cap marked



1942

deposit a sandstone, 7 x 6 x 6 ins., at base of post, marked X.

87.29 The $\frac{1}{4}$ sec. cor. of secs. 4 and 33, on the N. bdy. of the township.

Land, rolling desert with a general southerly drainage. Soil, deep clay, sand, and gravel; 3rd rate. No timber.

Undergrowth, sage and black brush, greasewood, shadscale, mountain rush, weeds, and grass.
Fair grazing land.

From the $\frac{1}{4}$ sec. cor. of secs. 3 and 4.

S. $89^{\circ}58'$ W., on E. and W. center line of sec. 4.

Over rolling desert land, through scattered short undergrowth.

5.00 Center of oiled U.S. Highway No. 160, bears N. $3^{\circ}38'$ W. and S. $3^{\circ}38'$ E.

SUBDIVISION OF SECTION SURVEYS, T. 22 S., R. 19 E.

Chains

6.60 Unimproved road, bears N. 30° E. and S. 30° W.

20.05 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the center east 1/16 sec. cor. of sec. 4, with brass cap marked

$$C \frac{E \frac{1}{16}}{34} C$$

1942

a sandstone, 10 x 10 x 6 ins., at base of post, marked X. deposit

34.70 Bottom of main wash, 80 lbs. wide, 20 ft. deep, drains S.

40.10 The center, sec. cor. of sec. 4.

75.30 Shallow draw, drains SE.

80.21 The, sec. cor. of secs. 4 and 5.

Land, rolling hills and desert.

Soil, deep clay, sand, and gravel; 3rd rate.

No timber.

Undergrowth, sage, black, and rabbit brush, shadscale, greasewood, mountain rush, weeds, and grass.

Fair grazing land.

From the E. 1/16 sec. cor. of secs. 4 and 9.

N. 0°05' E., on E. and S. center line of the SE. 1/4 sec. 4

Over rolling desert land, through scattered short undergrowth

20.04 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the SE. 1/16 sec. cor. of sec. 4, with brass cap marked

$$SE \frac{1}{16} S4$$

1942

sandstone, 6 x 6 x 4 ins., at base of post, marked X. deposit a

From this cor., the derrick to a Standard rig of an oil prospect well, located in the NE 1/4 NE 1/4 sec. 16, bears S. 7°24' E.

The derrick to a Standard rig of an oil prospect well, bears S. 5°40' W.

The derrick to a Star rig of an oil prospect well, bears S. 2°46' W.

The derrick to a test well drilling for magnesium salts, now in operation, bears S. 10°38' W.

40.03 The center E. 1/16 sec. cor. of sec. 4.

Land, rolling desert.

Soil, deep clay and sand; 3rd rate.

No timber.

Undergrowth, sage, black, and rabbit brush, shadscale, mountain rush, weeds, and grass.

Fair grazing land.

SUBDIVISION OF SECTION SURVEYS, T. 22 S., R. 19 E.

Chains

From the S. $1/16$ sec. cor. of secs. 3 and 4.

S. $89^{\circ}58'$ W., on E. and W. center line of SE. $\frac{1}{4}$ sec. 4.

Over rolling desert land, through scattered short undergrowth.

3.80 Center of oiled U.S. Highway No. 160, bears N. $3^{\circ}38'$ W., and S. $3^{\circ}38'$ E.

10.20 Unimproved road, bears N. 30° E. and S. 30° W.

20.06 The SE. $1/16$ sec. cor. sec. 4.

33.00 Bottom of main wash, 60 lks. wide, 10 ft. deep, drains S. 15° E.

36.00 Low spur, projects S. 15° E.

40.12 The center S. $1/16$ sec. cor. of sec. 4.

Land, rolling desert.

Soil, deep clay, sand, and gravel; 3rd rate.

No timber.

Undergrowth, sage, black, and rabbit brush, shadscale, greasewood, mountain rush, weeds, and grass.

Fair grazing land.

Sec. 9.

From the S. sec. cor. of secs. 9 and 16.

N. $0^{\circ}02'$ E., on E. and S. center line of sec. 9.

Over rolling desert land, through scattered short undergrowth.

40.01 At the intersection with the E. and W. center line of sec. 9.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the center S. sec. cor. sec. 9, with brass cap marked

C & S9

1942

deposit a sandstone, 10 x 10 x 6 ins., at base of post, marked X.

50.00 Low hill, bears N. 60° W. and S. 60° E.

78.00 Main wash, 4.00 chs. wide, 30 ft. deep, drains SW., 3.00 chs. distant, thence S. 30° W.

80.11 The S. sec. cor. secs. 4 and 9.

Land, rolling desert.

Soil, deep clay, sand, and gravel; 3rd rate.

No timber.

Undergrowth, sage, rabbit, and black brush, greasewood, shadscale, mountain rush, weeds, and grass.

Fair grazing land.

11
SUBDIVISION OF SECTION SURVEYS, T. 22 S., R. 19 E.

Mains

From the $\frac{1}{4}$ sec. cor. of secs. 9 and 10.

West, on E. and W. center line of sec. 9.

Over rolling desert land, through scattered short undergrowth.

25.00 Low hill, bears NW. and SE.

11.17 The center $\frac{1}{4}$ sec. cor. of sec. 9.

71.20 Main wash, 3.00 chs. wide, 30 ft. deep, drains S. 30° E.

20.25 The $\frac{1}{4}$ sec. cor. of secs. 8 and 9.

Land, rolling desert.

Soil, deep sand, clay, and gravel; 3rd rate.

No timber.

Undergrowth, sage, black, and rabbit brush, shadscale, greasewood, mountain rush, weeds, and grass.

Fair grazing land.

GENERAL DESCRIPTION OF SECS. 4 AND 9, T. 22 S., R. 19 E.

The land within the boundaries of secs. 4 and 9, T. 22 S., R. 19 E., Salt Lake Meridian, Utah, consists of rolling desert land, which has a general southerly exposure and drainage. The west portion of sec. 4, is broken in places by low rolling hills.

The soil consists of a deep gravelly clay and sand loam and may be classified as third rate. In the west portion sec. 9, a large deposit of sandy silt several feet deep is found.

No timber of any description was found in the two secs. and the undergrowth consists of a short scattered growth of sage, black, and rabbit brush, greasewood, shadscale, mountain rush, cacti, weeds, and grass, which affords fair grazing for stock.

No water was found in the two secs. and no portions of them are suitable for farming, unless water could be obtained for irrigation.

Previous to this survey, considerable prospecting for oil had been done in the two secs., and the derricks and drilling equipment to two of these wells, were found in the NW $\frac{1}{4}$ sec. 9, and the SW $\frac{1}{4}$ sec. 4. The derrick and drilling equipment to an oil well prospect was also found in the NW $\frac{1}{4}$ sec. 16.

At the time of this survey, drilling for magnesium salt was being done in the southeast portion of the SW $\frac{1}{4}$ sec. 4. A camp consisting of several frame buildings and tents, for the above drilling operations, was located in the SE $\frac{1}{4}$ of sec. 4.

U.S. Highway No. 160, bears in a southerly and northerly direction near the east boundaries of secs. 4 and 9.

No surface indications of oil, oil shale, coal, or mineral were found.

The nearest post office to the two secs., is Thompson, Utah, which is located to the northeast, about 8 miles distant.

The mean magnetic declination at the cor. of secs. 3, 4, 9, and 10, was found to be $16^{\circ}00'$ E.

FIELD ASSISTANTS

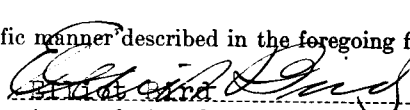
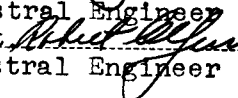
6-8412

CERTIFICATE OF SURVEYOR

 Elliot Bird, Associate Cadastral Eng., and
 we, Robert C. Yundt, Assistant Cadastral Eng., ~~HEREBY CERTIFY~~ upon honor that

pursuance of special instructions bearing date of the 18th day of April 1942
 received from the district cadastral engineer for Utah, with assignm
 instructions dated April 29, 1942, ~~I have surveyed~~ ^{we} made a dependent resurvey s
 boundaries, and a subdivision of section survey, of secs. 4 and 9,
T. 22 S., R. 19 E.,

of the Salt Lake Meridian, in the State of Utah, which
 represented in the foregoing field notes as having been executed by ~~us~~ and under ~~my~~ ^{our} direction^s, and that s
 survey has been made in strict conformity with said instructions, the Manual of Instructions for the Sur
 of the Public Lands of the United States, and in the specific manner described in the foregoing field notes
January 28, 1943
Salt Lake City, Utah.


 Elliot Bird
 Associate Cadastral Engineer
 Robert C. Yundt 
 Assistant Cadastral Engineer

CERTIFICATE OF APPROVAL

OFFICE OF SUPERVISOR OF SURVEYS,
 Denver, Colorado, December 4, 1942

The foregoing field notes of the ~~survey of~~ dependent resurvey of the boundaries,
 and subdivision of section surveys of, secs. 4 and 9, T. 22 S., R. 19 E.,
Salt Lake Meridian, Utah

Elliot Bird, Associate Cadastral Engineer
 executed by Robert C. Yundt, Assistant Cadastral Engineer
 under special instructions dated April 18, 1942, and assignme
 instructions dated April 29, 1942, having been critically examined, and
 the necessary corrections made prior to their certification by the engineer, the said field notes, and the surv
 therein described, are hereby approved.


 Frank H. Blinson
 Supervisor of Surveys.

CERTIFICATE OF TRANSCRIPT

~~I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in~~ T. 22 S.
R. 19 E., Utah, is a true copy of the original field notes on file in the public survey office.

 Supervisor of Surveys.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GENERAL LAND OFFICE



533
A

FIELD NOTES

OF THE SURVEY OF THE

SUBDIVISION

OF

TOWNSHIP 24 SOUTH, RANGE 21 EAST

Of the Salt Lake Meridian,

In the State of Utah.

EXECUTED BY

J. C. CLARK AND ROBERT C. YUNDT, SURVEYORS.

Under special instructions dated July 3, 1940, which provided
for the surveys included under Group No. 316, bearing the approval of the
Commissioner of the General Land Office under date of September 17, 1940,
and assignment instructions dated September 28, 1940.
Supplemental Assignment Instructions dated October 25, 1940.

Survey commenced October 10, 1940.

Survey completed November 26, 1940.

INDEX DIAGRAM.

Township 24 South, Range 21 East.

6 64	65 63	49 48	43 36	25 24	13 12
7 61	62 60	47 46	35 34	23 22	11 10
18 58	59 57	45 44	33 32	21 20	14 8
19 55	56 54	42 42	31 30	19 18	23 5
20 52	53 52	41 40	29 27	17 16	26 3
21 50	51 49	40 38	26 24	15 13	25 2

TOWNSHIP 24 SOUTH, RANGE 21 EAST

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

Lines ruled in black were surveyed by J. C. Clark, Surveyor

Lines ruled in red were surveyed by Robert C. Yundt, Surveyor.

Survey commenced October 10, 1940, and executed by J. C. Clark, Surveyor with a W. and L. E. Gurley solar transit, serial No. 38118, and Robert C. Yundt, Surveyor with a Buff and Buff solar transit, serial No. 9797. The instruments are equipped with Smith solar attachments and full vertical circles, the horizontal limbs being provided with two double verniers placed opposite to each other and reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs, and vertical circles.

The instruments were in good condition, and having been placed in satisfactory adjustment prior to beginning the survey, and tested and found free from appreciable error, were approved by the district cadastral engineer for district No. 6, in assignment instructions dated September 28, 1940 and in supplemental assignment instructions dated October 25, 1940, conditional upon satisfactory field tests. We also examined all the instrumental adjustments and corrected all errors before commencing the survey of the subdivision of this township.

TOWNSHIP 24 SOUTH, RANGE 21 EAST

Chains

As the timber in this township is small and scrubby, and varies from a sparse to a medium heavy growth, it was practicable to run transit lines; and all azimuth determinations were accomplished by observations upon Polaris, the bearings computed from deflection angles, and the transit lines carried forward, taking the mean of direct and reversed sights at each instrument station. Polaris was observed at elongation for meridian at the cor. point for secs. 1, 2, 35, and 36, 3, 4, 33, and 34, and 5, 6, and 32, on the S. bdy. of the township, and the bearings of the range lines were checked whenever practicable by day light observations upon Polaris at elongation.

The measurements were made with a Lallie steel tape, 5 chains in length, graduated every link for the first 100 links, and the balance at intervals of 10 links. The tape were tested by comparison with a Lufkin standard and found correct. All measurements were made on the slope, and the vertical angle of each interval was ascertained by clinometers in good adjustment; and the horizontal equivalents are entered in the field note record.

The instruments were tested frequently and kept in adjustment during the progress of the survey of this township.

The data furnished with the special instructions give the approximate geographic position for the SE. cor. of the township, as follows: latitude $38^{\circ} 40' N.$, and longitude $109^{\circ} 34' W.$

The observed general average magnetic declination is $15^{\circ} 40'$ east, which gives the magnetic bearing of the true meridian, $N. 15^{\circ} 40' W.$

SUBDIVISION OF T. 24 S., R. 21 E.

Commence the subdivisional survey at the true point for cor. of secs. 1, 2, 35, and 36, on the S. bdy. of the Tp. which is east 5.45 chs. dist. from the witness cor. of said secs. This witness cor. is an iron post, 2 ins. diam. correctly marked, firmly set and surrounded by a mound of stone, $6\frac{1}{2}$ ft. base, $2\frac{1}{2}$ ft. high, and witnessed as described in the official record.

To the brass cap markings, I add A N M to sec. 35.

$N. 0^{\circ} 01' W.$, bet. secs. 35 and 36.

Over rough and broken land, through scattering undergrowth asc. SW. slope 275 ft. to $\frac{1}{4}$ sec. cor.

25.00 Enter scattering timber.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 4 ins. in the ground to bedrock, and in a mound of stone, 5 ft. base, $2\frac{1}{2}$ ft. high, for $\frac{1}{4}$ sec. cor., with brass cap marked

A ANM

N S 35 S 36

M 1880

1940

from which

A cedar, 8 ins. diam., bears $S. 24^{\circ} 00' E.$, 194 lks. dist., mkd. $\frac{1}{4}$ S 36 A N M B T.

A cedar, 14 ins. diam., bears $S. 12^{\circ} 52' W.$, 45 lks. dist., mkd. $\frac{1}{4}$ S 35 A N M B T.

SUBDIVISION OF T. 24 S., R. 21 E.

Chains

- 53.60 Sandstone spur, 70 ft. above $\frac{1}{4}$ sec. cor., projects NW. about 10 chs. dist.; desc. NE. slope 90 ft.
- 64.50 Wash, 40 lks. wide, 1 ft. deep, in the bottom of draw, drains NW.; asc. barren sandstone SW. slope 205 ft.
- 73.20 Top of sandstone dome, bears NW. about 6 chs. dist. and SE. approximately 20 chs. dist.; desc. NE. slope 85 ft. over sandstone surface to
- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., over a cross (X) chiseled into surface rock, and in a mound of stone, 6 ft. base, 3 ft. high, for cor. of secs. 25, 26, 35, and 36, with brass cap marked

T24SR21E

S26 S25

S35 S36

1940

from which

A cedar, 9 ins. diam., bears N.77°30'E., 85 lks. dist., mkd. T 24 S R 21 E S 25 B T.

A cedar, 12 ins. diam., bears S.19°45'E., 81 lks. dist., mkd. T 24 S R 21 E S 36 B T.

A cedar, 5 ins. diam., bears S.33°10'W., 65 lks. dist., mkd. T 24 S R 21 E S 35 B T.

A cedar, 14 ins. diam., bears N.77°07'W., 122 lks. dist., mkd. T 24 S R 21 E S 26 B T.

Land, rolling and broken; sandstone surface rock, domes, and outcroppings; drainage westerly.

Soil, shallow red sand, 3rd. and 4th. rate.

Timber, cedar and pinon pine.

Undergrowth, black brush, mountain rush, and oak brush.

Grazing, fair to good of gramma and sand grass.

East, on a random line bet. secs. 25 and 36.

- 40.00 Set temp. $\frac{1}{4}$ sec. cor.

- 79.64 Intersect the E. bdy. of the Tp., 28 lks. N. of the cor. of secs. 25, 30, 31, and 36, which is an iron post, .2 ins. diam., firmly set and projecting $1\frac{1}{2}$ ft. above ground, and surrounded by a mound of stone, 4 ft. base, $1\frac{1}{4}$ ft. high, and correctly marked and witnessed as described in the official record.

Thence,

N.89°48'W., on a true line bet. secs. 25 and 36.

Desc. broken general SW. slope 110 ft., through scattering timber and undergrowth.

- 23.80 Wash, 30 lks. wide, 4 ft. deep, in the bottom of draw, from S.80°E., drains N.80°W.; asc. NE. slope 25 ft. to

- 39.82 Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the

SUBDIVISION OF T. 24 S., R. 21 E.

Chains

ground to bedrock, and in a mound of stone, $4\frac{1}{2}$ ft. base, 2 ft. high, for $\frac{1}{4}$ sec. cor., with brass cap marked

S25
 $\frac{1}{4}$
S36
1940

from which

A cedar, 8 ins. diam., bears S. $74^{\circ}30'E.$, 22 lks. dist., mkd. $\frac{1}{4}$ S 36 B T.

A cedar, 9 ins. diam., bears N. $60^{\circ}45'W.$, .66 lks. dist., mkd. $\frac{1}{4}$ S 25 B T.

46.00 Sandstone spur, 15 ft. above $\frac{1}{4}$ sec. cor., projects NW. about 10 chs. dist.; desc. 120 ft.

71.20 Wash, 20 lks. wide, 4 ft. deep, in the bottom of draw, drains NE, about 3 chs. dist., thence W.; asc. gradually 10 ft. along general NE. slope to

79.64 The cor. of secs. 25, 26, 35, and 36.

Land, rolling and broken, draining westerly; surface rock outcroppings, and domes of light colored sandstone.

Soil, shallow red sand, 3rd. and 4th. rate.

Timber, scattering to medium dense cedar and pinon pine.

Undergrowth, black brush, mountain rush, and oak brush.

Grazing, poor to fair growth of gramma and sand grass.

N. $0^{\circ}01'W.$, bet. secs. 25 and 26.

Desc. gradual NE. slope 20 ft., over surface rock, through scattering timber and undergrowth.

2.20 Wash, 40 lks. wide, 3 ft. deep, in the bottom of draw, drains N. $70^{\circ}W.$; asc. S. slope 45 ft.

4.30 Top of ascent on W. face of sandstone dome, bears E. and W.; gradual descent of 10 ft.

18.90 Wash, 30 lks. wide, 3 ft. deep, in the bottom of draw, drains SW.; asc. gradual S. slope 105 ft. to

40.00 Set an iron post, 3 ft. long, 1 in. diam., 14 ins. in the ground to bedrock, and in a mound of stone, 5 ft. base, 1 ft. high, for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
S26 | S25
1940

from which

A cedar, 8 ins. diam., bears N. $42^{\circ}40'E.$, .82 lks. dist., mkd. $\frac{1}{4}$ S 25 B T.

A cedar, 6 ins. diam., bears N. $59^{\circ}05'W.$, .48 lks. dist., mkd. $\frac{1}{4}$ S 26 B T.

SUBDIVISION OF T. 24 S., R. 21 E.

Chains

- 43.50 Sandstone spur, 25 ft. above $\frac{1}{4}$ sec. cor., projects SW.; desc. 35 ft.
- 57.00 Wash, 35 lks. wide, 4 ft. deep, in the bottom of draw, drains SW.; asc. SE. slope 95 ft. to
- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. of secs. 23, 24, 25, and 26, with brass cap marked

T24SR21E..

S23 | S24

S26 | S25

1940

from which

A cedar, 6 ins. diam., bears N.39°45'E., 196 lks. dist., mkd. T 24 S R 21 E S 24 B T.

A cedar, 6 ins. diam., bears S.47°23'E., 41 lks. dist., mkd. B T.

A cedar, 6 ins. diam., bears S.21°38'W., 125 lks. dist., mkd. T 24 S R 21 E S 26 B T.

A cedar, 8 ins. diam., bears N.16°00'W., 73 lks. dist., mkd. T 24 S R 21 E S 23 B T.

From this cor., three prominent sandstone pillars, A, B, and C, bear as follows:

A, S.28°00'E., B, S.40°15'E., and C, S.43°50'E.

Land, rolling and broken; sandstone surface rock and outcroppings; drainage SW.

Soil, shallow red sand, 3rd. and 4th. rate.

Timber; cedar and pinon pine.

Undergrowth, black brush, mountain rush, and oak brush.

Grazing, poor to fair of gramma and sand grass.

S.89°48'E., on a random line bet. secs. 24 and 25.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

77.98 Fall 137 lks. N. of the witness cor. of secs. 19, 24, 25, and 30, which is an iron post, 2 ins. diam., firmly set in a mound of stone, 6 ft. base, 3 ft. high, correctly marked and witnessed as described in the official record.

This witness cor. is set on a sloping shelf of a nearly perpendicular barren red sandstone ledge, about 75 ft. high and bearing N. and S.

79.70 Intersect the E. bdy. of the Tp., at the true point for cor. of secs. 19, 24, 25, and 30, heretofore described in the official record.

Thence,

N.89°48'W., on a true line bet. secs. 24 and 25.

Desc. abruptly 125 ft., over sloping and nearly perpendic-

SUBDIVISION OF T. 24 S., R. 21 E.

Chains

- ular barren red sandstone ledge on W. face.
- 1.72 The witness cor. of secs. 19, 24, 25, and 30, bears south 1.37 chs. dist.
- 2.00 Base of the ledge or sandstone face, bears N. and S.; enter scattering timber and undergrowth; desc. more gradually 120 ft., over NW. slope.
- 18.20 Wash, 20 lks. wide, 3 ft. deep, in the bottom of draw, from N.70°E., drains SW.; asc. SE. slope 35 ft.
- 18.70 SW. extremity of a row of elongated pillars, known as The Elephants, bears NE. and SW.
- 22.90 Sandstone pinnacle, 50 ft. high, on top of spur, sloping SW.; desc. 70 ft.
- 28.00 Wash, 30 lks. wide, 2 ft. deep, in the bottom of draw, from N., drains SW.; asc. gradual SE. slope 50 ft. to $\frac{1}{4}$ sec. cor.
- 35.30 Wagon and automobile road, known as State Highway No. 93, bears NW. to U. S. Highway No. 160 and SE. through the Arches National Monument.
- 39.85 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

S24

 $\frac{1}{4}$

S25

1940

from which

A cedar, 16 ins. diam., bears S.50°12'W., 173 lks. dist., mkd. $\frac{1}{4}$ S 25 B T.

A cedar, 8 ins. diam., bears N.26°56'W., 450 lks. dist., mkd. $\frac{1}{4}$ S 24 B T.

From this $\frac{1}{4}$ sec. cor., the same three prominent sandstone pillars A, B, and C, as located from the cor. of secs. 23, 24, 25, and 26, bear as follows:

A, S.7°27'E., B, S.24°49'W., and C, S.35°06'W.

- 42.80 Top of ascent, 5 ft. above $\frac{1}{4}$ sec. cor., bears N. and S.; desc. general NW. slope 150 ft.

- 61.20 Wash, 30 lks. wide, 4 ft. deep, in the bottom of draw, drains S.20°W.; asc. SE. slope 35 ft. to

- 79.70 The cor. of secs. 23, 24, 25, and 26.

Land, rolling, rough, and broken, draining SW.; red sandstone formation.

Soil, shallow red sand and varied colored clays, 3rd. and 4th. rate.

Timber, cedar and pinon pine.

Undergrowth, black brush, mountain rush, and oak brush.

Grazing, fair to good of gramma and sand grass.

SUBDIVISION OF T. 24 S., R. 21 E.

Chains

N.0°01'W., bet. secs. 23 and 24.

Over rolling land, through scattering timber and undergrowth; asc. SE. slope 65 ft.

25.00 Ridge or divide, bears E. and NW.; desc. 45 ft. to $\frac{1}{4}$ sec. cor., over NE. slope.

27.00 State Highway No. 93 bears N.32°W. and S.32°E., through the Arches National Monument.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
 S23 | S24
 1940

from which

A cedar, 5 ins. diam., bears S.84°10'E., 138 lks. dist., mkd. $\frac{1}{4}$ S 24 B T.

A cedar, 20 ins. diam., bears S.76°30'W., 205 lks. dist., mkd. $\frac{1}{4}$ S 23 B T.

55.30 Wash, 20 lks. wide, 1 ft. deep, near head of draw, 60 ft. below $\frac{1}{4}$ sec. cor., drains E.; asc. 25 ft.

65.60 Spur, slopes E. about 7 chs. dist.; desc. 100 ft.

73.10 Wash, 20 lks. wide, 1 ft. deep, in the bottom of draw, near head, drains E.; asc. SE. slope 45 ft. to

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 22 ins. in the ground to bedrock, and in a mound of stone, 3 $\frac{1}{2}$ ft. base, 1 ft. high, for cor. of secs. 13, 14, 23, and 24, with brass cap marked

T24SR21E
 S14 | S13 A
 S23 | S24 N
 ANM M
 1940

from which

A cedar, 6 ins. diam., bears N.64°17'E., 150 lks. dist., mkd. B T.

A cedar, 10 ins. diam., bears S.41°07'E., 125 lks. dist., mkd. T 24 S R 21 E S 24 A N M B T.

A cedar, 8 ins. diam., bears S.30°22'W., 307 lks. dist., mkd. T 24 S R 21 E S 23 A N M B T.

A cedar, 6 ins. diam., bears N.25°40'W., 39 lks. dist., mkd. B T.

Land, rolling and broken; surface rock and outcroppings of sandstone and granite formation; drainage SW., S. 25.00 chs.; N. 55.00 chs. drain easterly.

Soil, shallow and rocky red sand and sandy loam, 2nd. to 4th. rate.

Timber, cedar and pinon pine.

Undergrowth, black brush, mountain rush, oak brush, and yellow top.

SUBDIVISION OF T. 24 S., R. 21 E.

Chains

Grazing, fair to good of gramma and sand grass.

S. 89° 48' E., on a random line bet. secs. 13 and 24.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.68 Intersect the E. bdy. of the Tp., 14 lks. S. of the cor. of secs. 13, 18, 19, and 24, which is an iron post, 2 in. diam., firmly set and projecting 9 ins. above ground, and correctly marked and witnessed as described in the office record.

Thence,

N. 89° 54' W., on a true line bet. secs. 13 and 24.

Asc. gradual SE. slope 15 ft., through medium heavy timber and undergrowth.

4.10 Top of ascent on SE. slope; desc. 20 ft.

10.00 Wash, 40 lks. wide, 3 ft. deep, in the bottom of draw, from N. 80° W., drains S. 80° E.; asc. gradually 60 ft. to $\frac{1}{4}$ sec. cor. on SE. slope, along and near the bottom of the draw.

17.70 Same wash as noted at 10.00 chs., from S. 80° W., drains N. 80° E.

39.84 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
$$\begin{array}{r} S13 \\ \frac{1}{4} \\ S24 \\ 1940 \end{array}$$

from which

A cedar, 12 ins. diam., bears N. 24° 15' E., 144 lks. dist., mkd. $\frac{1}{4}$ S 13 B T.A cedar, 6 ins. diam., bears S. 34° 45' E., 141 lks. dist., mkd. $\frac{1}{4}$ S 24 B T.

From this cor., continue ascent of 140 ft., over SE. slope to

79.68 The cor. of secs. 13, 14, 23, and 24.

Land, rolling, draining easterly; surface rock and outcroppings of sandstone formation.

Soil, shallow red sand and sandy loam, 2nd. to 4th. rate.

Timber, cedar and pinon pine.

Undergrowth, black brush, mountain rush, oak brush, and yellow top.

Grazing, fair to good of gramma and sand grass.

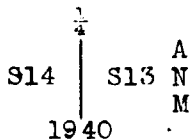
N. 0° 01' W., bet. secs. 13 and 14.

Asc. gentle SE. slope 5 ft., through medium dense undergrowth.

SUBDIVISION OF T. 24 S., R. 21 E.

Chains

- 0.13 Stock and pack trail, bears NE. to the Wolf Ranch in sec. 7, T. 24 S., R. 22 E. and SW. to Court House Wash in T. 25 S., R. 21 E.
- 2.00 Ridge, bears NE. and SW.; desc. NW. slope 60 ft.
- 37.00 Draw, from SE., drains W.; asc. gradual general SW. slope 15 ft. to
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, with a sandstone, 8x3x2 ins., mkd. X, deposited at the base, for $\frac{1}{4}$ sec. cor., with brass cap marked

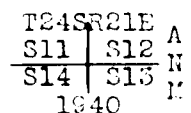


from which

A cedar, 10 ins. diam., bears N.79°25'E., 401 lks. dist., mkd. $\frac{1}{4}$ S 13 A N M B T.

There are no other trees available in sec. 14.

- 53.80 Ridge, 30 ft. above $\frac{1}{4}$ sec. cor., bears E. and W.; enter scattering timber; desc. abrupt rough general N. slope 260 ft. to
- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, with a sandstone, 6x5x2 ins., mkd. X, deposited at the base, for cor. of secs. 11, 12, 13, and 14, with brass cap marked



from which

A cedar, 6 ins. diam., bears N.47°15'E., 25 lks. dist., mkd. A N M B T.

A cedar, 8 ins. diam., bears S.26°37'W., 73 lks. dist., mkd. T 24 S R 21 E S 14 B T.

A cedar, 9 ins. diam., bears N.88°15'W., 189 lks. dist., mkd. T 24 S R 21 E S 11 B T.

The bearing tree in sec. 12 is too scrubby to permit the full marking; and there are no available trees suitable for marking in sec. 13.

Land, rolling, rough, and broken, draining **northwesterly and northerly**; surface rock and outcroppings of sandstone, quartzite, and granite.

Soil, shallow red sand, sandy loam, and clay, 2nd. to 4th. rate.

Timber, cedar and pinon pine.

Undergrowth, black brush, mountain rush, oak brush, and yellow top.

Grazing, fair to good of gramma and sand grass.

SUBDIVISION OF T. 24 S., R. 21 E.

Chains	
	S. 89° 54' E., on a random line bet. secs. 12 and 13.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.72	Intersect the E. bdy. of the Tp., 5 lks. N. of the cor. of secs. 7, 12, 13, and 18, which is an iron post, 2 ins. diam., firmly set and projecting 9 ins. above ground, and correctly marked and witnessed as described in the office record.
	Thence;
	N. 89° 52' W., on a true line bet. secs. 12 and 13.
	Over rolling and broken land, through scattering timber and undergrowth; desc. NW. slope 25 ft.
3.90	Wash, 20 lks. wide, 2 ft. deep, in the bottom of draw, drains NE.; asc. 75 ft.
24.80	Spur, projects NE.; desc. 50 ft.
29.20	Wash, 10 lks. wide, 2 ft. deep, in the bottom of draw, drains NE.; asc. 50 ft.
33.50	Spur, projects NE.; desc. 35 ft.
37.40	Wash, 20 lks. wide, 2 ft. deep, in the bottom of draw, drains N. 10° E.; asc. 30 ft.
38.90	Spur, projects N. 10° E.; desc. gradual NW. slope 10 ft. to
39.86	Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\begin{array}{r} S12 \\ \frac{1}{4} \\ \hline S13 \\ 1940 \end{array}$
	from which
	A cedar, 9 ins. diam., bears S. 60° 45' W., 68 lks. dist., mkd. $\frac{1}{4}$ S 13 B T.
	A cedar, 6 ins. diam., bears N. 6° 45' W., 36 lks. dist., mkd. $\frac{1}{4}$ S 12 B T.
42.90	Wash, 20 lks. wide, 2 ft. deep, in the bottom of draw, 35 ft. below $\frac{1}{4}$ sec. cor., drains N. 20° E.; asc. 35 ft.
45.20	Spur, projects N. 20° E.; desc. 55 ft.
50.20	Wash, 20 lks. wide, 2 ft. deep, in the bottom of draw, drains N.; asc. 85 ft.
55.90	Spur, projects N.; desc. 70 ft.
62.30	Wash, 20 lks. wide, 2 ft. deep, in the bottom of draw, drains N.; asc. 55 ft.
65.00	Spur, projects N.; desc. 55 ft.
75.70	Wash, 15 lks. wide, 2 ft. deep, in the bottom of draw, drains N.; asc. E. slope 45 ft. to
79.72	The cor. of secs. 11, 12, 13, and 14.
	Land, rolling and broken, draining N. and NE.; sandstone formation.

SUBDIVISION OF T. 24 S., R. 21 E.

Chains

Soil, deep red sand, 2nd. to 4th. rate.

Timber, cedar and pinon pine.

Undergrowth, black brush, mountain rush, and oak brush.

Grazing, fair to good of gramma and sand grass.

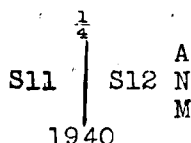
N.0°01'W., bet. secs. 11 and 12.

Desc. general N. slope 120 ft., through scattering timber and undergrowth.

19.70 Wash, 50 lks. wide, 4 ft. deep, in the bottom of draw, drains N.70°E.; asc. SE. slope 45 ft.

25.70 S. edge of bench, bears N.70°E. and S.70°W.; desc. gradually 10 ft., over gently rolling top to

40.00 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked



raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

No trees are available to mark to witness cor.

40.70 N. edge of bench, 5 ft. below $\frac{1}{4}$ sec. cor., bears E. and S.80°W.; desc. general N. slope 60 ft.

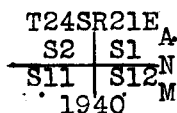
50.00 Wagon road, bears E. to the Wolf Ranch in sec. 7, T. 24 S., R. 22 E. and W. to Thompson, Utah, in the bottom of Salt Valley Wash, 200 lks. wide, 6 ft. deep, draining E.; asc. SW. slope 35 ft.

58.50 Spur, projects SE. about 8 chs. dist.; desc. NE. slope 50 ft.

73.50 Wash, 40 lks. wide, 4 ft. deep, in the bottom of draw, drains SE.; asc. abrupt rough S. slope 90 ft.

78.30 Mineralized dyke, bears E. and N.70°W., at the top of ascent, bearing same as dyke; desc. steep rough N. slope 40 ft. to

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. of secs. 1, 2, 11, and 12, with brass cap marked



from which

A cedar, 7 ins. diam., bears N.49°24'E., 112 lks. dist., mkd. T 24 S R 21 E S 1 A N M B T.

A cedar, 8 ins. diam., bears N.18°45'W., 85 lks. dist., mkd. T 24 S R 21 E S 2 B T.

No trees are available suitable for marking in secs. 11

SUBDIVISION OF T. 24 S., R. 21 E.

Chains

and 12; therefore, I raise a mound of stone, $3\frac{1}{2}$ ft. base, $2\frac{1}{2}$ ft. high, W. of cor.

Land, rolling, rough, and broken, draining easterly; outcroppings of sandstone, limestone, granite, and quartzite formation.

Soil, red sand and sandy loam, and varied colored clays. 2nd. to 4th. rate.

Timber, cedar and pinon pine.

Undergrowth, black brush, mountain rush, and oak brush.

Grazing, poor to good of gramma and sand grass.

S. $89^{\circ}52'E.$, on a random line bet. secs. 1 and 12.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.72 Intersect the E. bdy. of the Tp., 2 lks. N. of the cor. secs. 1, 6, 7, and 12, which is an iron post, 2 ins. dia firmly set, projecting 12 ins. above ground and surrounded by a mound of stone, 3 ft. base, 10 ins. high, and correctly marked and witnessed as described in the official record.

Thence,

N. $89^{\circ}51'W.$, on a true line bet. secs. 1 and 12.

Over rough mountainous land, through scattering timber and undergrowth; asc. 75 ft. along general S. slope of reef.

17.00 Spur, projects SW. approximately 15 chs. dist.; desc. 100 ft. along general S. slope to

39.86 Set an iron post, 3 ft. long, 1 in. diam., 22 ins. in the ground to bedrock, and in a mound of stone, $4\frac{1}{2}$ ft. base, ft. high, for $\frac{1}{4}$ sec. cor., with brass cap marked

S1

$\frac{1}{4}$

S12

1940

from which

A cedar, 6 ins. diam., bears S. $10^{\circ}05'E.$, 158 lks. dist., mkd. B T.

A cedar, 8 ins. diam., bears N. $11^{\circ}00'W.$, 243 lks. dist., mkd. $\frac{1}{4}$ S 1 B T.

The bearing tree in sec. 12 is too scrubby to permit the full marking.

From this $\frac{1}{4}$ sec. cor., continue descent of 95 ft. along general S. slope to

79.72 The cor. of secs. 1, 2, 11, and 12.

Land, rugged general S. slope of reef, draining generally S.; outcroppings and dykes of sandstone, limestone, granite, quartzite, and volcanic formation.

Soil, shallow and rocky red sand and clay, 4th. rate.

SUBDIVISION OF T. 24 S., R. 21 E.

Chains

Timber, cedar and pinon pine.

Undergrowth, black brush, mountain rush, and oak brush.

Grazing, poor to fair of gramma and sand grass.

From the cor. of secs. 1, 2, 11, and 12, it is impracticable to project a random line N.0°01'W. for a distance of approximately 70 chs., on account of an impassable area known as The Devil's Garden. The area consists of high barren jagged domes, crags, pinnacles, pillars, and spurs, which are separated by deep chasms and gulches. Therefore, from the cor. of secs. 1, 2, 11, and 12, offset

East, 40.50 chs.; then, on offset line

N.0°01'W., 40.00 chs.; thence offset

West, 23.80 chs.; then, on offset line

N.0°01'W., 32.60 chs.; thence offset

West, 16.70 chs. to random line bet. secs. 1 and 2; then,

S.0°01'E., 22.60 chs., or at

50.00 Set temp. witness $\frac{1}{4}$ sec. cor.; thence, N.0°01'W. on random line.

50.60 Set temp. witness point.

80.00 Set temp. lot cor.

112.75 Intersect the N. bdy. of the Tp., at the cor. of secs. 1, 2, 35, and 36, which is an iron post, 2 ins. diam., firmly set, projecting 2 ft. above ground and surrounded by a mound of stone, 4 $\frac{1}{2}$ ft. base, 2 ft. high, and correctly marked and witnessed as described in the official record. To the brass cap markings, I add A N M to secs. 1, 2, and 35. Thence,

S.0°01'E., on a true line bet. secs. 1 and 2.

Over rough and broken land, through scattering timber and undergrowth; asc. general N. slope 25 ft.

8.40 Sandstone ridge, bears E. and W.; desc. gradually 35 ft. to lot cor., over gently rolling land.

9.00 Leave timber, enter dense undergrowth, bears E. and W.

32.75 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, with a sandstone, 8x6x2 ins., mkd. X, deposited at the base, for cor. of lots 5 and 12, sec. 1 and lots 8 and 9, sec. 2, with brass cap marked

$$\begin{array}{r|l} 8 & 5 \\ S2 - & S1 \\ \hline 9 & 12 \\ 1940 & \end{array}$$

from which

A cedar, 8 ins. diam., bears S.74°15'E., 234 lks. dist., mkd. LOT 12 S 1 B T.

No trees suitable for marking are available in lots, 5, 8, and 9.

SUBDIVISION OF T. 24 S., R. 21 E.

Chains

- 40.15 Point of offset on random line.
- 44.00 Leave undergrowth, bears NW. and SE.
- 45.00 Leave rolling land, bears NW. and SE., enter Devil's Garden of crags, domes, pinnacles, pillars, spurs, and chasms, 20 ft. above lot cor.; desc. 70 ft. over barren red sandstone to
- 62.15 Set an iron post, 3 ft. long, 1 in. diam., over a cross (X) chiseled into surface rock, and in a mound of stone, 5 ft. base, 3 ft. high, for witness point to the witness $\frac{1}{4}$ sec. cor. bet. secs. 1 and 2, with brass cap marked

ANM A
S2 | SIN
W P K
1940

- 62.75 On the nearly perpendicular E. face of a sandstone dome or spur, I chisel a deep cross (X) and W C for witness $\frac{1}{4}$ sec. cor.

From the witness $\frac{1}{4}$ sec. cor., chaining and the projection of the true line are impracticable, as the line passes over impassable country.

Therefore, from the witness $\frac{1}{4}$ sec. cor.,

N.0°01'W. 22.60 chs.

At 0.60 chs., intersect the witness point to the witness $\frac{1}{4}$ sec. cor.

At 22.60 chs., intersect the point of offset at 40.15 chs. on true line.

Thence, offset

East, 16.70 chs.; then on offset line

S.0°01'E., 32.60 chs.; thence offset

East, 23.80 chs.; then on offset line

S.0°01'E., 40.00 chs.; thence offset

West, 40.50 chs. to the true line or at

- 112.75 Intersect the cor. of secs. 1, 2, 11, and 12, 530 ft. below the witness $\frac{1}{4}$ sec. cor. bet. secs. 1 and 2.

Land, rugged, S.67.75 chs.; rolling and broken, N. 45.00 chs.; red sandstone, limestone, granite, quartzite, and volcanic formation; drainage SE.

Soil, red sand, sandy loam, and clay, 1st. to 4th. rate.

Timber, cedar and pinon pine.

Undergrowth, black brush, mountain rush, and oak brush.

Grazing, fair to good of grama and sand grass on rolling and broken land.

SUBDIVISION OF T. 24 S., R. 21 E.

Chains

From the cor. of secs. 2, 3, 34, and 35, on the S. bdy. of the Tp., which is an iron post, 2 ins. diam., firmly set, projecting 2½ ft. above ground and surrounded by a mound of stone, 5 ft. base, 2½ ft. high, and correctly marked and witnessed as described in the official record,

To the brass cap markings, I add A N M to secs. 3, 34, and 35.

N.0°01'W., bet. secs. 34 and 35.

Asc. gradual SW. slope 15 ft., through scattering timber and medium dense undergrowth.

23.10 Top of ascent on SW. slope; desc. 90 ft.

24.80 Wash, 40 lks. wide, 4 ft. deep, in the bottom of draw, from NW., drains S.20°W.; continue along or near bottom.

27.80 Same wash, as noted at 34.80 chs., drains SW.; asc. SE. slope 130 ft., over sandstone surface.

38.00 Top of sandstone dome, bears E. and W.; desc. NE. slope 65 ft. to

40.00 At the base of the sandstone dome, bearing NW. and SE., set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for ¼ sec. cor., with brass cap marked

$\frac{1}{4}$
 S34 | S35
 1940

from which

A cedar, 10 ins. diam., bears S.88°00'E., 118 lks. dist., mkd. B T.

A cedar, 8 ins. diam., bears N.14°05'W., 112 lks. dist., mkd. ¼ S 34 B T.

45.00 Draw, 20 ft. below ¼ sec. cor., drains SE.; asc. gradual SE. slope 120 ft.

67.40 Top of ascent, bears NW. and SE.; gradual descent of 30 ft. over NW. slope to

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. of secs. 26, 27, 34, and 35, with brass cap marked

T24SR21E
 S27 | S26
 S34 | S35
 1940

from which

A cedar, 9 ins. diam., bears N.70°22'E., 53 lks. dist., mkd. T 24 S R 21 E S 26 B T.

A cedar, 6 ins. diam., bears S.45°18'E., 416 lks. dist., mkd. T 24 S R 21 E S 35 B T.

A cedar, 9 ins. diam., bears S.66°45'W., 345 lks. dist., mkd. T 24 S R 21 E S 34 B T.

A cedar, 9 ins. diam., bears N.12°25'W., 103 lks. dist., mkd. T 24 S R 21 E S 27 B T.

SUBDIVISION OF T. 24 S., R. 21 E.

Chains

Land, rolling and broken; sandstone surface rock, domes and outcroppings; drainage SW.

Soil, shallow red sand, 3rd. and 4th. rate.

Timber, cedar and pinon pine.

Undergrowth, black brush, mountain rush, and oak brush.

Grazing, fair to good of gramma and sand grass.

East, on a random line bet. secs. 26 and 35.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.84 Intersect N. and S. line, 42 lks. S. of the cor. of secs 25, 26, 35, and 36.

Thence,

S.89°42'W., on a true line bet. secs. 26 and 35.

Desc. gradual general NW. slope 65 ft., over surface rock through scattering timber and undergrowth.

16.40 Wash, 40 lks. wide, 4 ft. deep, in the bottom of draw, drains SW.; gradual ascent of 20 ft.

22.50 Top of ascent, bears NE. and SW.; desc. 15 ft.

26.20 Wash, 30 lks. wide, 3 ft. deep, in the bottom of draw, drains SW.; asc. gradual SE. slope 35 ft. to

39.92 Set an iron post, 3 ft. long, 1 in. diam., over a cross (X) chiseled into surface rock, and in a mound of stone, 6 ft. base, 3 ft. high, for $\frac{1}{4}$ sec. cor., with brass cap marked.

S26

$\frac{1}{4}$

S35

1940

All available trees are too scrubby for marking.

44.60 Top of sandstone dome, 35 ft. above $\frac{1}{4}$ sec. cor., bears N. and S.; desc. W. slope 175 ft.

70.00 Wash, 30 lks. wide, 2 ft. deep, in the bottom of gulch, drains S.20°E.; asc. 15 ft.

71.50 Spur, projects S.20°E. approximately 30 chs. dist.; desc. 30 ft.

75.60 Wash, 30 lks. wide, 3 ft. deep, in the bottom of gulch, drains S.20°E.; asc. SE. slope 30 ft. to

79.84 The cor. of secs. 26, 27, 34, and 35.

Land, rolling and broken; sandstone surface rock, domes, and outcroppings; drainage SW.

Soil, shallow red sand, 3rd. and 4th. rate.

Timber, cedar and pinon pine.

Undergrowth, black brush, mountain rush, and oak brush.

SUBDIVISION OF T. 24 S., R. 21 E.

Chains

Grazing, fair to good of gramma and sand grass.

N.0°01'W., bet. secs. 26 and 27.

Asc. gradual SE. slope 200 ft. to the true point for $\frac{1}{4}$ sec. cor., through scattering timber and undergrowth.

- 9.50 Wash, 30 lks. wide, 3 ft. deep, drains S.20°E.; continue ascent over surface rock and outcroppings.
- 31.10 Stock and pack trail, bears NE. to the Wolf Ranch in sec. 7, T. 24 S., R. 22 E. and SW. to Court House Wash in T. 25 S., R. 21 E.
- 37.50 Wash, 20 lks. wide, 1 ft. deep, from N., drains S.10°W.
- 40.00 True point for $\frac{1}{4}$ sec. cor. falls on W. bank of the same wash as noted at 37.50 chs., draining from NW. to S., and which makes the establishment of a cor. monument impracticable at this point.
- 45.90 Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base, 1 ft. high, for witness $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
 S27 | S26
 W C
 1940

from which

A cedar, 6 ins. diam.; bears S.23°57'E., 180 lks. dist., mkd. W C $\frac{1}{4}$ S 26 B T.

A cedar, 8 ins. diam., bears N.52°48'W., 157 lks. dist., mkd. W C $\frac{1}{4}$ S 27 B T.

This witness $\frac{1}{4}$ sec. cor. stands on SE. slope 45 ft. above the true point for $\frac{1}{4}$ sec. cor.

- 60.00 Top of broken and nearly perpendicular ledge or rim, 40 ft. high, bears SE. and SW.; continue ascent over sandstone domes and outcroppings.
- 79.20 Top of sandstone dome, 30 to 50 ft. high, bears E. and W., 230 ft. above the witness $\frac{1}{4}$ sec. cor.; desc. 40 ft. over N. face of dome to
- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. of secs. 22, 23, 26, and 27, with brass cap marked

T24SR21E
 S22 | S23 A
 S27 | S26 N
 ANM M
 1940

from which

A cedar, 8 ins. diam., bears N.6°45'E., 301 lks. dist., mkd. T 24 S R 21 E S 23 A N M B T.

A cedar limb, 10 ins. diam., bears S.71°45'E., 113 lks. dist., mkd. T 24 S R 21 E S 26 A N M B T.

SUBDIVISION OF T. 24 S., R. 21 E.

Chains

A cedar, 8 ins. diam., bears S.86°50'W., 130
lks. dist., mkd. T 24 S R 21 E S 27 A N M B T.

A cedar, 10 ins. diam., bears N.86°45'W., 100
lks. dist., mkd. T 24 S R 21 E S 22 B T.

This cor. stands at the base of the sandstone dome, bea
E. and W.

Land, rough and broken, draining SE.; red sandstone for
tion.

Soil, shallow red sand, 4th. rate.

Timber, cedar.

Undergrowth, black brush, mountain rush, and oak brush.

Grazing, scattering growth of gramma and sand grass.

N.89°42'E., on a random line bet. secs. 23 and 26.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.80 Intersect N. and S. line, 9 lks. N. of the cor. of secs.
23, 24, 25, and 26.

Thence,

S.89°46'W., on a true line bet. secs. 23 and 26.

Over rolling land, through scattering timber and under-
growth; asc. gradual SE. slope 15 ft.

21.70 Top of ascent, bears N.30°E: and S.30°W.; desc. 45 ft.

32.10 Wash, 20 lks. wide, 1 ft. deep, in the bottom of draw,
drains S.30°W.; asc. 25 ft.

36.30 Top of ascent, bears N.30°E. and S.30°W.; desc. NW. slop
15 ft. to

39.90 Set an iron post, 3 ft. long, 1 in. diam., 9 ins. in the
ground to bedrock, and in a mound of stone, $5\frac{1}{2}$ ft. base,
 $2\frac{1}{4}$ ft. high, for $\frac{1}{4}$ sec. cor., with brass cap marked

S23

$\frac{1}{4}$

S26

1940

from which

A cedar, 14 ins. diam., bears S.71°24'W., 269
lks. dist., mkd. $\frac{1}{4}$ S 26 B T.

A cedar limb, 6 ins. diam., bears N.4°05'W., 90
lks. dist., mkd. $\frac{1}{4}$ S 23 B T.

43.10 Wash, 40 lks. wide, 4 ft. deep, in the bottom of draw, 15
ft. below $\frac{1}{4}$ sec. cor., drains SW.; asc. 15 ft.

47.50 Stock and pack trail, bears N.20°E. to the Wolf Ranch in
sec. 7, T. 24 S., R. 22 E. and S.20°W. to Court House
Wash in T. 25 S., R. 21 E.

51.80 Top of ascent, bears N.30°E: and S.30°W.; desc. 20 ft.

SUBDIVISION OF T. 24 S., R. 21 E.

Chains

- 61.80 Wash, 20 lks. wide, 1 ft. deep, in the bottom of draw, drains S. 10° W.; asc. 45 ft.
- 75.20 Top of ascent, bears NE. and SW.; desc. gradual NW. slope 10 ft. to
- 79.80 The cor. of secs. 22, 23, 26, and 27.
- Land, rolling and broken, draining SW.; sandstone surface rock and outcroppings.
- Soil, red sand and varied colored clays, 3rd. to 4th. rate.
- Timber, cedar and pinon pine.
- Undergrowth, black brush, mountain rush, yellow top, and oak brush.
- Grazing, fair to good of gramma and sand grass.

N. 0° 01' W., bet. secs. 22 and 23.

Desc. gradual NW. slope 10 ft., over gently rolling land, through scattering timber and dense undergrowth.

- 14.30 Wagon and automobile road, known as State Highway No. 93, bears easterly through the Arches National Monument and westerly to U. S. Highway No. 160.

- 37.80 Wash, 20 lks. wide, 4 ft. deep, in the bottom of draw, drains SW.; gradual ascent of 5 ft., over general SW. slope to

- 40.00 Set an iron post, 3 ft. long, 1 in. diam., over a cross (X) chiseled into surface rock, and in a mound of stone, 6½ ft. base, 3 ft. high, for ¼ sec. cor., with brass cap marked

$\frac{1}{4}$
 S22 | S23 A.
 M
 1940.

from which

A cedar, .5 ins. diam., bears N. 50° 10' E., 150 lks. dist., mkd. ¼ S 23 A N M B T.

A cedar, 5 ins. diam., bears N. 71° 23' W., 129 lks. dist., mkd. ¼ S 22 B T.

- 61.70 Wash, 20 lks. wide, 2 ft. deep, in head of draw, drains SW.

- 76.50 Ridge, 85 ft. above ¼ sec. cor., bears E. and NW.; desc. gentle NE. slope 5 ft. to

- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. of secs. 14, 15, 22, and 23, with brass cap marked

T24SR21E
 S15 | S14 ✓
 S22 | S23
 ANM
 1940

from which

SUBDIVISION OF T. 24 S., R. 21 E.

Chains

A cedar, 8 ins. diam., bears N.56°15'E., 77
lks. dist., mkd. T 24 S R 21 E S 14 B T.

A cedar, 12 ins. diam., bears S.67°15'E., 21
lks. dist., mkd. T 24 S R 21 E S 23 A N M B T.

A cedar, 8 ins. diam., bears S.85°36'W., 111
lks. dist., mkd. T 24 S R 21 E S 22 B T.

A cedar, 10 ins. diam., bears N.46°00'W., 180
lks. dist., mkd. T 24 S R 21 E S 15 B T.

Land, rolling and rough; sandstone surface rock; drainag
SW., S. 76.50 chs.; N. 3.50 chs. drain NE.

Soil, shallow red sand, 3rd. and 4th. rate.

Timber, cedar.

Undergrowth, black brush, mountain rush, yellow top, and
oak brush.

Grazing, fair to good of gramma and sand grass.

N.89°46'E., on a random line bet. secs. 14 and 23.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.80 Intersect N. and S. line, 9 lks. N. of the cor. of secs.
13, 14, 23, and 24.

Thence,

S.89°50'W., on a true line bet. secs. 14 and 23.

Asc. gentle SE. slope 5 ft., through scattering timber and
medium dense undergrowth.

0.20 Stock and pack trail, bears NE. to the Wolf Ranch in sec.
7, T. 24 S., R. 22 E. and SW. to Court House Wash in T. 2
S., R. 21 E.

2.00 Ridge, bears NE. and SW.; desc. 40 ft.

8.40 Stock and pack trail, bears N. to Salt Valley Wash and S.
to the trail noted at 0.20 chs. above.

11.90 Wash, 40 lks. wide, 4 ft. deep, in the bottom of swale,
drains N.; asc. 40 ft.

26.80 Spur, projects N.10°E. approximately 30 chs. dist.; desc.
20 ft. to $\frac{1}{4}$ sec. cor., over NW. slope.

27.00 Enter a medium heavy growth of timber, bears NE. and SW.

39.90 Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the
ground to bedrock, and in a mound of stone, 6 ft. base, 2
ft. high, for $\frac{1}{4}$ sec. cor., with brass cap marked

S14
 $\frac{1}{4}$
S23
ANM
1940

from which

SUBDIVISION OF T. 24 S., R. 21 E.

Chains

A cedar, 8 ins. diam., bears S.24°30'E., 41
lks. dist., mkd. $\frac{1}{4}$ S 23 A N M B T.

A pinon pine, 10 ins. diam., bears N.15°27'W., 168
lks. dist., mkd. $\frac{1}{4}$ S 14 B T.

44.10 Wash, 30 lks. wide, 2 ft. deep, in the bottom of draw, 15
ft. below $\frac{1}{4}$ sec. cor., drains N.; asc. 60 ft.

50.90 Spur, projects N. about 30 chs. dist.; desc. 15 ft.

60.00 Wash, 20 lks. wide, 2 ft. deep, in the bottom of draw,
heads S. about 3 chs. dist., drains N.; asc. NE. slope
100 ft. to

79.80 The cor. of secs. 14, 15, 22, and 23.

Land, rolling and broken; drainage easterly, E. 2.00 chs.,
northerly, W. 77.80 chs.; sandstone formation.

Soil, red sand, sandy loam, and clay, 1st. to 4th. rate.

Timber, cedar and pinon pine.

Undergrowth, black brush, mountain rush, yellow top, and
oak brush.

Grazing, fair to good of gramma and sand grass.

N.0°01'W., bet. secs. 14 and 15.

Desc. NE. slope 170 ft., through scattering timber and
undergrowth.

26.90 Wash, 20 lks. wide, 2 ft. deep, in the bottom of draw,
from S.10°E., drains NE.; gradual ascent of 25 ft.

38.50 Spur, projects NE.; desc. NW. slope 40 ft. to

40.00 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the
ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
S15 | S14
1940

from which

A cedar, 6 ins. diam., bears N.30°12'E., 120
lks. dist., mkd. $\frac{1}{4}$ S 14 B T.

A cedar, 8 ins. diam., bears N.72°15'W., 104
lks. dist., mkd. $\frac{1}{4}$ S 15 B T.

58.10 Wash, 40 lks. wide, 4 ft. deep, in the bottom of draw,
45 ft. below $\frac{1}{4}$ sec. cor., drains NE.; asc. rough general
S. slope 35 ft.

68.30 Spur, projects S.80°E.; desc. abrupt rough N. slope 115
ft. to

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the
ground, for cor. of secs. 10, 11, 14, and 15, with brass
cap marked

SUBDIVISION OF T. 24 S., R. 21 E.

Chains

T24SR21E

S10 S11

S15 S14

1940

from whi

A cedar, 10 ins. diam., bears N.67°12'E., 98
lks. dist., mkd. T 24 S R 21 E S 11 B T.

A cedar, 12 ins. diam., bears S.41°55'E., 94
lks. dist., mkd. T 24 S R 21 E S 14 B T.

A cedar, 8 ins. diam., bears S.52°32'W., 109
lks. dist., mkd. T 24 S R 21 E S 15 B T.

A cedar, 5 ins. diam., bears N.80°08'W., 55
lks. dist., mkd. T 24 S R 21 E S 10 B T.

Land, rolling, rough, and broken, draining NE.; sandstone outcroppings.

Soil, shallow red sand and clay, 3rd. and 4th. rate.

Timber, cedar and pinon pine.

Undergrowth, black brush, mountain rush, yellow top, and oak brush.

Grazing, fair to good of gramma and sand grass.

N.89°50'E., on a random line bet. secs. 11 and 14.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.78 Intersect N. and S. line, 2 lks. N. of the cor. of secs. 11, 12, 13, and 14.

Thence,

S.89°51'W., on a true line bet. secs. 11 and 14.

Desc. 45 ft. along general N. slope, through a sparse growth of timber and scattering undergrowth.

4.10 Wash, 20 lks. wide, 2 ft. deep, in the bottom of draw, drains N.10°W.; asc. 30 ft.

6.80 Spur, projects N. about 8 chs. dist.; desc. 55 ft.

13.20 Wash, 20 lks. wide, 2 ft. deep, in the bottom of draw, drains N.; asc. 45 ft.

17.10 Spur, slopes N.30°E. about 6 chs. dist.; desc. 25 ft.

23.20 Wash, 50 lks. wide, 4 ft. deep, in the bottom of draw, drains N.30°E.; asc. 45 ft.

29.20 Stock and pack trail, bears NE. to Salt Valley Wash and SE. to the main trail from the Wolf Ranch to Court House Wash.

35.90 Spur, projects NE. approximately 15 chs. dist.; desc. gradually 15 ft. to $\frac{1}{4}$ sec. cor., over NW. slope.

38.80 Stock and pack trail, bears N. to Salt Valley Wash and SE. to the main trail from the Wolf Ranch to Court House Wash.

SUBDIVISION OF T. 24 S., R. 21 E.

Chains

39.89 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

S11

S14

1940

from which

A cedar limb, 8 ins. diam., bears N.17°15'E., 303 fks. dist., mkd. $\frac{1}{4}$ S 11 B T.

A cedar limb, 5 ins. diam., bears S.63°07'W., 55 lks. dist., mkd. $\frac{1}{4}$ S 14 B T.

42.80 Wash, 30 lks. wide, 3 ft. deep, in the bottom of draw, 30 ft. below $\frac{1}{4}$ sec. cor., drains N.; asc. 25 ft.

44.50 Spur, slopes N.10°E. about 4 chs. dist.; desc. 30 ft.

55.20 Wash, 30 lks. wide, 4 ft. deep, in the bottom of draw, drains NE.; asc. general N. slope 110 ft. to

79.78 The cor. of secs. 10, 11, 14, and 15.

Land, rolling, draining N. and NE.; sandstone formation.

Soil, red sand and sandy loam, 2nd. to 4th. rate.

Timber, cedar.

Undergrowth, black brush, mountain rush, and oak brush.

Grazing, good growth of grama and sand grass.

N.0°01'W., bet. secs. 10 and 11.

Desc. general N. slope 55 ft., through a sparse growth of timber and medium dense undergrowth.

6.60 Wash, 20 lks. wide, 3 ft. deep, in the bottom of draw, drains N.20°E.; asc. 35 ft.

11.20 Spur, projects N.10°E.; desc. 60 ft.

21.30 Wash, 30 lks. wide, 4 ft. deep, in the bottom of draw, drains N.30°E.; asc. 25 ft.

35.00 Spur, projects NE. about 8 chs. dist.; desc. 45 ft.

39.60 Wash, 20 lks. wide, 3 ft. deep, in the bottom of draw, from W., drains SE.; asc. S. slope 10 ft. to

46.00 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

S10

S11

1940

from which

A cedar limb, 8 ins. diam., bears S.63°32'E., 120 lks. dist., mkd. $\frac{1}{4}$ S 11 B T.

SUBDIVISION OF T. 24 S., R. 21 E.

Chains

No trees are available in sec. 10; therefore, I raise a mound of stone, 3 ft. base, 2½ ft. high, W. of cor.

- 56.00 Top of ascent or ridge, 70 ft. above ¼ sec. cor., bears E. and W.; gradual descent of 105 ft.
- 70.00 S. bank of Salt Valley Wash, 12 ft. high, bears E. and
- 71.50 Wagon road, bears E. to the Wolf Ranch in sec. 7, T. 24 R. 22 E. and NW. to Thompson, Utah, in the bottom of Salt Valley Wash, which drains from NW. to E.; a small stream of water rises and sinks for a distance of about 3 chs. on each side of line, in the bottom of the wash.
- 73.00 N. bank of Salt Valley Wash, 5 ft. high, bears E. and NW. asc. broken general SW. slope 55 ft. to
- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in ground, for cor. of secs. 2, 3, 10, and 11, with brass marked

T24SR21E

S3 | S2

S10 | S11

1940

of stone, 3 ft. base, 2 ft. high, W. of cor. raise a mound

No available trees are suitable for marking.

Land, rolling and broken, draining easterly; sandstone formation.

Soil, red sand, sandy loam, and clay, 2nd. to 4th. rate.

Timber, cedar.

Undergrowth, black brush, mountain rush, yellow top, and oak brush; dense tamarack along bottom of Salt Valley Wash.

Grazing, poor to good of gramma and sand grass.

N.89°51'E., on a random line bet. secs. 2 and 11.

- 40.00 Set temp. ¼ sec. cor.

79.78 Intersect N. and S. line, 7 lks. N. of the cor. of secs. 1, 2, 11, and 12.

Thence,

S.89°54'W., on a true line bet. secs. 2 and 11.

Over rugged general S. slope, along mineralized dykes, parallel with line, through scattering timber and undergrowth; asc. 55 ft.

- 1.00 Top of ascent, bears N. and S.; desc. 90 ft.
- 2.10 Wash, 30 lks. wide, 3 ft. deep, in the bottom of draw, drains S.; asc. 90 ft.
- 6.30 Top of ascent on S. slope; desc. 40 ft.
- 22.20 Wash, 20 lks. wide, 3 ft. deep, in the bottom of draw, drains S. about 5 chs. dist., thence E.; asc. 75 ft. to

SUBDIVISION OF T. 24 S., R. 21 E.

Chains

39.89

Set an iron post, 3 ft. long, 1 in. diam., 16 ins. in the ground to solid rock, and in a mound of stone, $4\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, for $\frac{1}{4}$ sec. cor., with brass cap marked

S2

 $\frac{1}{4}$

S11

1940

from which

A cedar, 8 ins. diam., bears N. $80^{\circ}25'E.$, 99 lks. dist., mkd. $\frac{1}{4}$ S 2 B T.

A cedar, 12 ins. diam., bears S. $38^{\circ}20'E.$, 107 lks. dist., mkd. $\frac{1}{4}$ S 11 B T.

43.50

Top of ascent on S. slope, 20 ft. above $\frac{1}{4}$ sec. cor.; desc. 35 ft. to

79.78

The cor. of secs. 2, 3, 10, and 11.

Land, rugged general S. slope, draining generally E.; outcroppings and dykes of sandstone, limestone, granite, quartzite, and volcanic formation.

Soil, shallow and rocky red sand and clay, 4th. rate.

Timber, cedar and pinon pine.

Undergrowth, black brush, mountain rush, and oak brush.

Grazing, poor to fair of gramma and sand grass.

N. $0^{\circ}01'W.$, on a random line bet. secs. 2 and 3.

40.00

Set temp. $\frac{1}{4}$ sec. cor.

80.00

Set temp. lot cor.

112.83

Intersect the N. bdy. of the Tp., 20 lks. E. of the cor. of secs. 2, 3, 34, and 35, which is an iron post, 2 ins. diam., firmly set on surface rock and surrounded by a mound of stone, $4\frac{1}{2}$ ft. base, $2\frac{1}{2}$ ft. high, and correctly marked and witnessed as described in the official record.

Thence,

S. $0^{\circ}07'E.$, on a true line bet. secs. 2 and 3.

Over rough and broken land, through scattering timber and undergrowth; desc. 260 ft. to lot cor., over general S. slope.

10.10

SE. extremity of a series of barren sandstone spurs and pillars, from NW., about 50 to 100 ft. high.

32.83

Set an iron post, 3 ft. long, 1 in. diam., over a cross (X) chiseled into surface rock, and in a mound of stone, 6 ft. base, 3 ft. high, for cor. of lots 5 and 12, sec. 2 and lots 8 and 9, sec. 3, with brass cap marked

8

5

S3

S2

9

12

1940

from which

SUBDIVISION OF T. 24 S., R. 21 E.

Chains

A pinon pine, 8 ins. diam., bears N.59°20'E., 199 lks. dist., mkd. LOT 5 S 2 B T.

A pinon pine, 14 ins. diam., bears S.64°30'E., 431 lks. dist., mkd. LOT 12 S 2 B T.

A cedar, 6 ins. diam., bears S.75°30'W., 26 lks. dist., mkd. LOT 9 S 3 B T.

A cedar, 6 ins. diam., bears N.69°18'W., 77 lks. dist.; mkd. B T.

The bearing tree in lot 8, sec. 3 is too scrubby to permit the full marking.

37.20 Head of rugged draw, 235 ft. below lot cor., drains SE. continue descent of 180 ft. to $\frac{1}{4}$ sec. cor., over general S. slope.

72.83 Set an iron post, 3 ft. long, 1 in. diam., over a cross (X) chiseled into surface rock, and in a mound of stone, 6 ft. base, 3 ft. high, for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
ANM
S3 | S2
1940

from which

A cedar, 12 ins. diam., bears S.56°40'E., 124 lks. dist., mkd. $\frac{1}{4}$ S 2 B T.

A cedar, 8 ins. diam., bears N.81°50'W., 96 lks. dist., mkd. $\frac{1}{4}$ S 3 A N M B T.

89.30 Wash, 40 lks. wide, 4 ft. deep, in the bottom of draw, 5 ft. below $\frac{1}{4}$ sec. cor., drains S.20°W.; asc. NW. slope 60 ft.

99.00 Top of ascent, bears E. and W.; desc. rough broken general S. slope 90 ft. to

112.83 The cor. of secs. 2, 3, 10, and 11.

Land, rough and broken general S. slope, draining SW., thence E.; surface rock and outcroppings of sandstone, limestone, granite, quartzite, and volcanic formation.

Soil, shallow red sand, 4th. rate.

Timber, cedar and pinon pine.

Undergrowth, black brush, mountain rush, and oak brush.

Grazing, scattering growth of bunch and sand grass.

From the cor. of secs. 3, 4, 33, and 34, on the S. bdy. of the Tp., which is an iron post, 2 ins. diam., firmly set, projecting 2 ft. above ground and surrounded by a mound of stone, $4\frac{1}{2}$ ft. base, 2 ft. high, and correctly marked and witnessed as described in the official record,

SUBDIVISION OF T. 24 S., R. 21 E.

Chains

N.0°02'W., bet. secs. 33 and 34.

Over rolling and broken land, through scattering timber and medium dense undergrowth; gradual ascent of 40 ft. to

40.00 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
S33 | S34

1940

from which

A cedar, 9 ins. diam., bears S.28°45'E., 206 lks. dist., mkd. $\frac{1}{4}$ S 34 B T.

A cedar, 10 ins. diam., bears S.25°20'W., 112 lks. dist., mkd. $\frac{1}{4}$ S 33 B T.

51.60 Wash, 20 lks. wide, 2 ft. deep, drains S.70°W.

61.00 Wash, 30 lks. wide, 4 ft. deep, drains SW.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 22 ins. in the ground to solid rock, and in a mound of stone, 3 ft. base, 1 ft. high, for cor. of secs. 27, 28, 33, and 34, with brass cap marked

T24SR21E

S28 | S27 A
S33 | S34 N

ANM

1940

from which

A cedar, 8 ins. diam., bears N.13°20'E., 255 lks. dist., mkd. T 24 S R 21 E S 27 A N M B T.

A cedar, 8 ins. diam., bears S.47°12'E., 42 lks. dist., mkd. T 24 S R 21 E S 34 A N M B T.

A cedar, 9 ins. diam., bears S.51°50'W., 177 lks. dist., mkd. T 24 S R 21 E S 33 A N M B T.

A cedar, 9 ins. diam., bears N.15°40'W., 215 lks. dist., mkd. T 24 S R 21 E S 28 B T.

This cor. is located 105 ft. above $\frac{1}{4}$ sec. cor.

Land, rolling and broken, draining SW.; sandstone surface rock and outcroppings.

Soil, shallow red sand and sand dunes, 4th. rate.

Timber, cedar and pinon pine.

Undergrowth, black brush, mountain rush, and oak brush.

Grazing, poor to fair growth of bunch and sand grass.

East, on a random line bet. secs. 27 and 34.

37.00 Rim of reef or top of high red sandstone bluffs which are cut by crags, pillars, pinnacles, domes, and chasms.

SUBDIVISION OF T. 24 S., R. 21 E.

Chains	
	From this station, chaining and the projection of the random line are impracticable; therefore, I return to the 18.30 ch. point, it being a convenient place to offset.
	Thence offset
	South, 16.40 chs.; then on offset line
	East, 25.00 chs.; thence offset
	North, 16.40 chs. to random line; thence
	West, 3.30 chs. to
40.00	Set temp. $\frac{1}{4}$ sec. cor.
	Thence;
	East, on random line.
80.08	Intersect N. and S. line, at the cor. of secs. 26, 27, 34 and 35.
	Thence,
	West, on a true line bet. secs. 27 and 34.
	Over rolling and broken land, through scattering timber and undergrowth; asc. general E. slope 70 ft.
15.50	Stock and pack trail, bears N.30°E. to the Wolf Ranch in sec. 7, T. 24 S., R. 22 E. and S. to Court House Wash in T. 25 S., R. 21 E.
16.80	Sandstone ridge, bears N.10°W. and S.10°E.; desc. 75 ft.
28.20	Wash, 20 lks. wide, 4 ft. deep, in the bottom of draw, drains S.10°E.; asc. 60 ft.
36.80	Spur, projects S.15°E. about 8 chs. dist.; desc. 10 ft.
38.60	Wash, 20 lks. wide, 1 ft. deep; in the bottom of draw, heads N.15°W. about 6 chs. dist.; drains S.15°E.; asc. gradual E. slope 10 ft. to
40.04	Set an iron post, 3 ft. long, 1 in. diam., 14 ins. in the ground to bedrock, and in a mound of stone, 5 ft. base, 1 ft. high, for $\frac{1}{4}$ sec. cor.; with brass cap marked
	S27
	$\frac{1}{4}$
	S34
	1940
	from which
	A cedar, 8 ins. diam., bears S.5°05'W., 56 lks. dist., mkd. $\frac{1}{4}$ S 34 B T.
	A cedar, 8 ins. diam., bears N.47°53'W., 135 lks. dist., mkd. $\frac{1}{4}$ S 27 B T.
42.70	Base of nearly perpendicular rim of reef or red sandstone bluffs, 260 ft. high, bears N. and S., 20 ft. above $\frac{1}{4}$ sec. cor.
	Thence,
	East, 5.92 chs.
	At 2.66 chs., intersect the $\frac{1}{4}$ sec. cor.

SUBDIVISION OF T. 24 S., R. 21 E.

Chains

At 5.92 chs., intersect the point of offset at 36.78 chs. on true line.

Thence, offset

South, 16.40 chs.; then on offset line

West, 25.00 chs.; thence offset

North, 16.40 chs. to true line or at

61.78 Point of offset, 50 ft. below rim of reef, noted at 37.00 chs. on random line.

Thence,

West, on true line.

Desc. rolling general W. slope 65 ft. to

80.08 The cor. of secs. 27, 28, 33, and 34.

Land, rolling, rough, and broken, draining SW.; sandstone formation.

Soil, red sand and varied colored clays, 4th. rate.

Timber, cedar.

Undergrowth, black brush, mountain rush, and oak brush.

Grazing, poor to fair growth of gramma and sand grass.

N.0°02'W., bet. secs. 27 and 28.

Over rolling, rough, and broken land, through scattering timber and medium dense undergrowth; desc. 20 ft. along general W. slope.

2.40 Wash, 20 lks. wide, 3 ft. deep, in the bottom of draw, drains S.80°W.; asc. 35 ft.

15.40 Top of ascent, bears E. and W.; desc. 15 ft.

16.60 Wash, 30 lks. wide, 3 ft. deep, in the bottom of draw, drains SW.; asc. 65 ft.

22.20 Wash, 20 lks. wide, 2 ft. deep, drains SW.

28.20 Spur, from NE., forks N.15°W. and SW.; desc. general N. slope 35 ft. to

40.00 Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground to bedrock, and in a mound of stone, 4½ ft. base, 2 ft. high, for ¼ sec. cor. with brass cap marked

from which

A cedar, 6 ins. diam., bears S.30°30'E., 148 lks. dist., mkd. ¼ S 27 A N M B T.

A cedar, 10 ins. diam., bears N.79°25'W., 285

SUBDIVISION OF T. 24 S., R. 21 E.

Chains

lks. dist., mkd. $\frac{1}{4}$ S 28 B T.

From this cor., desc. gradually 30 ft., over nearly level and gently rolling land.

49.50 Leave timber, bears NW. and SE.

76.60 A main wash, 40 lks. wide, 6 ft. deep, in the bottom of swale, drains SW.; asc. gradual SE. slope 10 ft. to

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in ground, with a sandstone, 7x6x5 ins., mkd. X, deposited the base, for cor. of secs. 21, 22, 27, and 28, with brass cap marked

T24SR21E

S21 S22

S28 S27

ANM

1940

from whi

A cedar, 7 ins. diam., bears S. 14° 00' E., 257 lks. dist., mkd. T 24 S R 21 E S 27 A N M B T.

There are no trees available in secs. 21, 22, and 28.

Land, nearly level, rolling, rough, and broken, draining SW.; sandstone surface rock and outcroppings.

Soil, red sand and sandy loam, and sand dunes, 1st. to 4th rate.

Timber, cedar and pinon pine.

Undergrowth, black brush, mountain rush, and oak brush.

Grazing, poor to good growth of gramma and sand grass.

East, on a random line bet. secs. 22 and 27.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.06 Intersect N. and S. line, 8 lks. S. of the cor. of secs. 22, 23, 26, and 27.

Thence,

S. 89° 57' W., on a true line bet. secs. 22 and 27.

Desc. gradual NW. slope 75 ft. to $\frac{1}{4}$ sec. cor., over gently rolling land, through scattering timber and undergrowth.

3.20 Leave timber, enter dense undergrowth, bears N. and S.

40.03 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, with a sandstone, 8x7x4 ins., mkd. X, deposited at the base, for $\frac{1}{4}$ sec. cor., with brass cap marked

S22

 $\frac{1}{4}$

S27

ANM

1940

There are no other suitable accessories available.

Chains

- 75.10 Wash, 20 lks. wide, 5 ft. deep, in the bottom of swale, 50 ft. below $\frac{1}{4}$ sec. cor., drains SW.; asc. gradual SE. slope 10 ft. to
- 80.06 The cor. of secs. 21, 22, 27, and 28.
- Land, rolling and gently rolling, draining SW.; sandstone formation.
- Soil, red sand, sandy loam, and sand dunes, 1st. to 4th. rate.
- Timber, cedar:
- Undergrowth, black brush, mountain rush, yellow top, and oak brush:
- Grazing, good growth of gramma and sand grass.
-
- N.0°02'W., bet. secs. 21 and 22.
- Asc. gradual SE. slope 25 ft., over rolling land, through dense undergrowth.
- 15.50 Wagon and automobile road, known as State Highway No. 93, bears N.81°45'W. to U. S. Highway No. 160 and S.81°45'E. to the Arches National Monument.
- 30.00 Top of ascent, bears N.60°E. and S.60°W.; desc. 15 ft.
- 33.10 Wash, 20 lks. wide, 2 ft. deep, in the bottom of draw, drains S.70°W.; asc. 35 ft.
- 36.10 Spur, projects S.70°W. approximately 8 chs. dist.; enter scattering timber; desc. NW. slope 15 ft. to
- 40.00 Set an iron post, 3 ft. long; 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
- $\frac{1}{4}$
 S21 | S22
 1940
- from which
- A cedar, 9 ins. diam., bears S.46°50'E., 178 lks. dist., mkd. $\frac{1}{4}$ S 22 B T.
- A cedar, 10 ins. diam.; bears S.56°40'W., 268 lks. dist., mkd. $\frac{1}{4}$ S 21 B T.
- 48.10 Wash, 20 lks. wide, 3 ft. deep, in the bottom of draw, 20 ft. below $\frac{1}{4}$ sec. cor., drains SW.; asc. gradual SE. slope 75 ft.
- 53.50 Wash, 20 lks. wide, 3 ft. deep, drains SW.
- 63.30 Wash, 20 lks. wide, 2 ft. deep, drains SW.
- 72.50 Spur, projects S.20°W. about 8 chs. dist.; gradual descent of 10 ft.
- 79.50 Wash, 20 lks. wide, 2 ft. deep, in the bottom of draw, drains SW.; gradual ascent of 5 ft. to

SUBDIVISION OF T. 24 S., R. 21 E.

Chains

30.00 Set an iron post, 3 ft. long, 2 ins. diam., 22 ins. in ground to solid rock, with a sandstone, 6x6x4 ins., mkd. X, deposited at the base, and in a mound of stone, 4 ft. base, 1 ft. high, for cor. of secs. 15, 16, 21, and 22, with brass cap marked

T24SR21E

S16 | S15

S21 | S22

1940

from whi

A cedar, 16 ins. diam., bears N.17°00'E., 419 lks. dist., mkd. T 24 S R 21 E S 15 B T.

A cedar limb, 6 ins. diam., bears S.61°02'W., 182 lks. dist., mkd. T 24 S R 21 E S 21 B T.

No trees are available in secs. 16 and 22.

Land, rolling and broken, draining SW.; sandstone outcroppings.

Soil, red sand and sandy loam, 1st. to 4th. rate.

Timber, cedar.

Undergrowth, black brush, mountain rush, yellow top, and oak brush.

Grazing, fair to good growth of gramma and sand grass.

N.89°57'E., on a random line bet. secs. 15 and 22.

40.00 Set temp. 4 sec. cor.

80.10 Intersect N. and S. line, 2 lks. S. of the cor. of secs. 14, 15, 22, and 23.

Thence,

S.89°56'W., on a true line bet. secs. 15 and 22.

Asc. NE. slope 20 ft., through scattering timber and undergrowth.

10.10 Ridge, bears N.60°W. and S.80°E.; desc. 15 ft. to 1/4 sec. cor., over nearly level or gentle SW. slope.

40.05 Set an iron post, 3 ft. long, 1 in. diam., 3 ins. in the ground to bedrock, and in a mound of stone, 5 ft. base, 2 1/2 ft. high, for 1/4 sec. cor., with brass cap marked

S15

S22

1940

from which

A cedar, 6 ins. diam., bears S.23°50'E., 117 lks. dist., mkd. 1/4 S 22 B T.

A cedar, 10 ins. diam., bears E.42°45'W., 160 lks. dist., mkd. 1/4 S 15 B T.

45.00 Wash, 30 lks. wide, 4 ft. deep, in the bottom of draw, 45 ft. below 1/4 sec. cor., drains SW.; asc. gradual SE.

SUBDIVISION OF T. 24 S., R. 21 E.

Chains

slope 10 ft.

72.40 Spur, projects SW.; desc. 40 ft.

79.90 Wash, 20 lks. wide, 2 ft. deep, in the bottom of draw, drains SW.; gradual ascent of 5 ft. to

80.10 The cor. of secs. 15, 16, 21, and 22.

Land, rolling and gently rolling, draining SW.; sandstone surface rock and outcroppings..

Soil, shallow red sand, 4th. rate.

Timber, cedar.

Undergrowth, black brush, mountain rush, yellow top, and oak brush.

Grazing, poor to fair of grama and sand grass.

N.0°02'W., bet. secs. 15 and 16.

Over rolling and broken land, through scattering timber and medium dense undergrowth; over nearly level bottom of draw.

0.20 Wash, 20 lks. wide, 2 ft. deep, drains SE.

1.20 Same wash, drains SW.; begin ascent of 40 ft., over SE. slope.

12.20 Spur, projects SW.; gradual descent of 10 ft.

16.60 Wash, 20 lks. wide, 3 ft. deep, in the bottom of draw, drains SW.; asc. general S. slope 60 ft.

30.40 Ridge or divide, bears E. and N.70°W.; desc. NE. slope 15 ft. to

40.00 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
 S10 | S15
 1940

from which

A cedar, 9 ins. diam., bears N.28°40'E., 306 lks. dist., mkd. $\frac{1}{4}$ S 15 B T.A cedar, 5 ins. diam., bears S.72°25'W., 131 lks. dist., mkd. $\frac{1}{4}$ S 16 B T.45.00 Draw, 5 ft. below $\frac{1}{4}$ sec. cor., drains E.; asc. gradual SE. slope 40 ft.

65.20 Spur, from W., projects E. about 12 chs. dist., thence NE.; desc. 20 ft.

67.90 Wash, 20 lks. wide, 2 ft. deep, in the bottom of draw, drains W.; asc. rough SE. slope 85 ft. to

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 6 ins. in the

SUBDIVISION OF T. 24 S., R. 21 E.

Chains

ground to bedrock, and in a mound of stone, 3 ft. base, 2 ft. high, for cor. of secs. 9, 10, 15, and 16, with brass cap marked

T24SR21E

30 | 310

518 | 515

1940

from whi

A cedar, 8 ins. diam., bears N. 49° 30' E., 98 lbs. dist., mtd. B T.

A cedar, 6 ins. diam., bears S. 30° 00' E., 44 lbs. dist., mtd. B T.

A cedar limb, 6 ins. diam., bears S. 65° 40' W., 128 lbs. dist., mtd. T 24 S R 21 E S 16 B T.

A cedar, 14 ins. diam., bears N. 75° 40' W., 106 lbs. dist., mtd. B T.

The bearing trees in secs. 9, 10, and 15 are too scrubby to permit the full marking.

Land, rolling and broken; sandstone surface rock and outcroppings; drainage easterly bet. the 33.40 and 65.20 points; remainder of mile drains SW.

Soil, shallow on rocky red sand, sandy loam, and clay, lat. to 4th. rate.

Timber, cedar and pinon pine.

Undergrowth, black brush, mountain rush, yellow top, and oak brush.

Breeding, poor to fair of grama and sand grass.

N. 60° 00' E., on a random line bet. secs. 10 and 15.

1.1. Net temp.; sec. cor.

1.2. Intersection N. and S. line, 2 lbs. N. of the cor. of secs. 10, 11, 14, and 15.

Thence,

1.3. N. 60° 00' E., on a true line bet. secs. 10 and 15.

Over rolling rough general N. slope, through scattering timber and undergrowth; asc. 50 ft.

1.4. Top of ascent on N. slope; gradual descent of 10 ft.

1.5. West, on N. side, 1 ft. deep, in the bottom of draw, bearing S. 20° E.; asc. 130 ft.

1.6. Draw projects W. about 10 chs. dist.; desc. 45 ft.

1.7. Draw, bearing S. 20° E.; asc. 130 ft. along general N. slope

1.8. Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground to solid rock, and in a mound of stone, 3 ft. base, 2 ft. high, for 1 sec. cor., with brass cap marked

SUBDIVISION OF T. 24 S., R. 21 E.

Chains

- 57.70 Ridge or divide, 110 ft. above $\frac{1}{4}$ sec. cor., bears N.70°W. and S.70°E.; gradual descent of 50 ft., over rough and broken land to
- 80.10 The cor. of secs. 9, 10, 15, and 16..
- Land, rolling, rough, and broken; sandstone formation; drainage northerly, E. 57.70 chs.; W. 22.40 chs. drain easterly and southwesterly.
- Soil, shallow red sand and clay, 4th. rate.
- Timber, cedar and pinon pine.
- Undergrowth, black brush, mountain rush, and oak brush.
- Grazing, fair to good of gramma and sand grass.

N.0°02'W., bet. secs. 9 and 10.

Over rough mountain top, through scattering timber and medium dense undergrowth; asc. gradual SE. slope 5 ft.

- 0.50 Top of ascent, bears NE. and SW.; desc. 35 ft.
- 4.10 Draw, drains SW.; asc. 75 ft.
- 15.50 N. rim of mountain, bears NW. and SE.; desc. abrupt NE. slope 295 ft. to $\frac{1}{4}$ sec. cor., over series of broken and nearly perpendicular ledges, 10 to 30 ft. high, bearing NW. and SE., across small draws and spurs, putting NE.
- 33.60 Leave series of ledges, bears NW. and SE.
- 39.00 Leave timber, bears NW. and SE.
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
 S9. S10 ..
 1940

from which

A cedar, 20 ins. diam., bears S.24°57'E., 166 lks. dist., mkd. $\frac{1}{4}$ S 10 B T.

A cedar limb, 6 ins. diam., bears S.85°00'W., 94 lks. dist., mkd. $\frac{1}{4}$ S 9 B T.

- 44.20 Base of abrupt descent, 35 ft. below $\frac{1}{4}$ sec. cor., bears NW. and SE.; gradual descent of 65 ft., over NE. slope.

SUBDIVISION OF T. 24 S., R. 21 E.

Chains

61.40 Wash, 30 lks. wide, 4 ft. deep, in the bottom of draw, drains NE.; asc. gradual SE. slope 35 ft. to

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in ground, for cor. of secs. 3, 4, 9, and 10, with brass cap marked

T24SR21E

S4 S3

S9 S10

.1940

of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor., raise a mound

Land, rough mountainous, S. 33.60 chs.; rolling, N. 46. chs.; gray and red sandstone and gypsum formation; drainage SW., S. 15.50 chs.; remainder of mile drains NE.

Soil, red sand, sandy loam, and clay, 1st. to 4th. rate.

Timber, scattering to medium dense cedar and pinon pine.

Undergrowth, black brush and mountain rush.

Grazing, fair to good of gramma and sand grass, N. $\frac{1}{2}$ mile poor growth on S. $\frac{1}{2}$ mile.

N. 89° 57' E. on a random line bet. secs. 3 and 10.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.12 Intersect N. and S. line, 5 lks. S. of the cor. of secs. 2, 3, 10, and 11.

Thence,

S. 89° 55' W., on a true line bet. secs. 3 and 10.

Over rolling and broken land, through scattering undergrowth; desc. 40 ft. along general SW. slope.

6.30 Wash, 30 lks. wide, 2 ft. deep, in the bottom of draw, drains S.; asc. 70 ft.

16.10 Top of ascent, bears NW. and SE.; desc. 35 ft.

19.00 Wagon road, bears N. 70° W. to Thompson, Utah and S. 70° E. the Wolf Ranch in sec. 7, T. 24 S., R. 22 E., in the bottom of Salt Valley Wash, 200 lks. wide, draining S. 70° gradual ascent of 30 ft. to $\frac{1}{4}$ sec. cor., along or near bottom of the wash.

24.86 From this station, the spout or inlet, which is an iron pipe, 2 ins. diam., at the W. end of a galvanized iron watering trough, bears north 1.37 chs. dist. The trough, 108 lks. in length, 3 lks. wide, 8 ins. deep, is supported by cedar posts and 2x4 in. lumber. Stream of alkali water in pipe.

36.80 Leave same road as noted at 19.00 chs., bears easterly and northwesterly, in the bottom of Salt Valley Wash, draining from NW. to E.; begin more abrupt ascent of 25 ft. to $\frac{1}{4}$ sec. cor., over general SE. slope.

40.06 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

SUBDIVISION OF T. 24 S., R. 21 E.

Chains

S3

 $\frac{1}{4}$

S10

1940

raise a mound

of stone, 3 ft. base, $2\frac{1}{2}$ ft. high, N. of cor.

From this $\frac{1}{4}$ sec. cor., a concrete cistern, 6 ft. square, 10 ft. deep, water 5 ft. deep, bears N.57°57'E. 2.75 chs. dist.

46.50 Edge of bench, 65 ft. above $\frac{1}{4}$ sec. cor., bears N.60°E. about 3 chs. dist., thence northwesterly, and S.60°W.; asc. gradually 65 ft. to sec. cor., over rolling and broken top of bench.

80.12 The cor. of secs. 3, 4, 9, and 10.

Land, rolling and broken, draining southeasterly; gray and red sandstone, gypsum, quartzite, limestone, and volcanic formation.

Soil, red sand and varied colored clays, 4th. rate.

Undergrowth, scattering to medium dense black brush and mountain rush.

Grazing, poor to fair of gramma and sand grass.

No timber.

N.0°07'W., on a random line bet. secs. 3 and 4.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.00 Set temp. lot cor.

112.98 Intersect the N. bdy. of the Tp., 6 lks. W. of the cor. of secs. 3, 4, 33, and 34, which is an iron post, 2 ins. diam., firmly set, projecting 2 $\frac{1}{2}$ ft. above ground and surrounded by a mound of stone, 4 ft. base, 2 ft. high, and correctly marked and witnessed as described in the official record.

To the brass cap markings, I add A N M to secs. 3 and 34.

Thence,

S.0°05'E., on a true line bet, secs. 3 and 4.

Over rolling and broken general SW. slope, through scattering timber and medium dense undergrowth; desc. 15 ft.

4.00 Draw, drains E.; gradual ascent of 10 ft.

10.80 Top of ascent, bears E. and W.; desc, general SW. slope 100 ft. to lot cor.

32.30 Wash, 15 lks. wide, 1 ft. deep, drains SW.

32.98 Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground to solid rock, and in a mound of stone, 4 ft. base, 1 $\frac{1}{2}$ ft. high, for cor. of lots 5 and 12, sec. 3 and lots 8 and 9, sec. 4, with brass cap marked

SUBDIVISION OF T. 24 S., R. 21 E.

Chains

8	5	A
S4		S3N
9	12	M

1940

from whi

A cedar, 8 ins. diam., bears N.24°56'E., 63
lks. dist., mkd. LOT 5 S 3 A N M B T.

A cedar limb, 5 ins. diam., bears S.29°15'E., 8
lks. dist., mkd. LOT 12 S 3 B T.

A pinon pine, 8 ins. diam., bears S.41°02'W., 213
lks. dist., mkd. B T.

A cedar, 8 ins. diam., bears N.76°00'W., 104
lks. dist., mkd. LOT 8 S 4 B T.

The bearing trees in lots 9 and 12 are too scrubby to
permit the full marking.

53.10 Wash, 150 lks. wide, 5 ft. deep, in the bottom of draw,
from E., 110 ft. below lot cor., drains SW.; desc. more
gradually 15 ft., along or near bottom of the wash.

64.30 Leave wash, drains S.20°E.; asc. gradual NE. slope 15 ft.

67.40 Top of ascent, bears N.20°W. and S.20°E.; desc. gradual
SW. slope 10 ft. to

72.98 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in th
ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$	ANM
S4	S3

1940

from whic

A cedar, 8 ins. diam., bears N.1°26'E., 378
lks. dist., mkd. $\frac{1}{4}$ S 3 A N M B T.

There are no trees available in sec. 4; therefore, I rai
a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
73.20 Leave timber.

79.20 Wagon road, bears NW. to Thompson, Utah and SE. to the
Wolf Ranch in sec. 7, T. 24 S R 22 E., in the bottom of
Salt Valley Wash, 170 lks. wide, 10 ft. deep, draining S
10 ft. below $\frac{1}{4}$ sec. cor.; asc. 40 ft., over rolling and
broken general NE. slope.

89.50 Stock trail, bears N.75°W. and S.75°E.

112.20 Stock trail, bears N.80°E. to the water trough in the SE
of sec. 3, in the bottom of Salt Valley Wash, and S.80°W.
on top of ascent, bearing NE. and SW.; desc. gentle SE.
slope 5 ft. to

112.98 The cor. of secs. 3, 4, 9, and 10.

Land, rolling and broken, draining generally SE.; gray and
red sandstone and gypsum formation.

Soil, red sand and varied colored clays, 3rd. and 4th.
rate.

Timber, cedar; a few pinon pine.

SUBDIVISION OF T. 24 S., R. 21 E.

Chains

Undergrowth, black brush, mountain rush, oak brush, and service berry bushes.

Grazing, poor to fair of gramma and sand grass.

From the cor. of secs. 4, 5, 32, and 33, on the S. bdy. of the Tp., which is an iron post, 2 ins. diam., firmly set on surface rock, and surrounded by a mound of stone, 6 ft. base, 3 ft. high, and correctly marked and witnessed as described in the official record,

To the brass cap markings, I add A N M to secs. 4, 5, and 33.

N.0°03'W., bet. secs. 32 and 33.

Asc. gradual SE. slope 75 ft., through scattering timber and undergrowth.

23.80 Wash, 30 lks. wide, 1 ft. deep, drains SW.

38.10 Top of ascent, bears NE. and SW.; desc. gradual NW. slope 10 ft. to

40.00 Set an iron post, 3 ft. long, 1 in. diam., over a cross (X) chiseled into surface rock, and in a mound of stone, 6 ft. base, 3 ft. high, for $\frac{1}{4}$ sec. cor., with brass cap marked

S32

S33

A

M

M

1940

from which

A cedar, 8 ins. diam., bears N.45°50'E., 39 lks. dist., mkd. $\frac{1}{4}$ S 33 A N M B T.

A cedar, 14 ins. diam., bears S.60°42'W., 171 lks. dist., mkd. $\frac{1}{4}$ S 32 B T.

60.60 Wash, 40 lks. wide, 2 ft. deep, in the bottom of draw, 10 ft. below $\frac{1}{4}$ sec. cor., drains SW.; asc. 35 ft.

77.10 Spur, projects S.25°W. about 20 chs. dist.; desc. gradual NW. slope 10 ft. to

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 16 ins. in the ground to bedrock, and in a mound of stone, 4 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, for cor. of secs. 28, 29, 32, and 33, with brass cap marked

T24SR21E

S29

S28

S32

S33 ANM

1940

from which

A cedar, 6 ins. diam., bears N.26°15'E., 131 lks. dist., mkd. T 24 S R 21 E S 28 B T.

A cedar, 3 ins. diam., bears S.8°10'E., 61 lks. dist., mkd. A N M B T.

A cedar, 16 ins. diam., bears S.49°25'W., 210 lks. dist., mkd. T 24 S R 21 E S 32 B T.

SUBDIVISION OF T. 24 S., R. 21 E.

Chains

A cedar, 6 ins. diam., bears N. 70° 40' W., 150 lks. dist., mkd. T 24 S. R. 21 E S 29 B T.

Land, rolling and broken, draining SW.; sandstone surface rock and outcroppings.

Soil, shallow red sand, 3rd. and 4th. rate.

Timber, scattering to a medium heavy growth of cedar.

Undergrowth, black brush, mountain rush, oak brush, and live oak.

Grazing, fair to good of gramma and sand grass.

East, on a random line bet. secs. 28 and 33.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.86 Intersect N. and S. line, 5 lks. S. of the cor. of secs. 27, 28, 33, and 34.

Thence,

S. 89° 58' W., on a true line bet. secs. 28 and 33.

Over rolling, rough, and broken land, through scattering timber and medium dense undergrowth; desc. 135 ft., along general NW. slope.

31.00 Wash, 30 lks. wide, 3 ft. deep, in the bottom of draw, drains S. 70° W.; asc. 15 ft.

32.30 Spur, projects SW. approximately 20 chs. dist.; desc. NW. slope 40 ft. to

39.93 Set an iron post, 3 ft. long, 1 in. diam., over a cross (X) chiseled into surface rock, and in a mound of stone, $5\frac{1}{2}$ ft. base, 3 ft. high, for $\frac{1}{4}$ sec. cor., with brass cap marked

S28

$\frac{1}{4}$

S33

ANM

1940

from which

A cedar, 6 ins. diam., bears N. 38° 45' E., 85 lks. dist., mkd. $\frac{1}{4}$ S 28 B T.

A cedar, 6 ins. diam., bears S. 47° 25' E., 180 lks. dist., mkd. $\frac{1}{4}$ S 33 A N M B T.

48.70 Wash, 40 lks. wide, 3 ft. deep, in the bottom of draw, 65 ft. below $\frac{1}{4}$ sec. cor., drains SW.; asc. 45 ft.

52.30 Spur, projects SW.; desc. gradual NW. slope 80 ft. to

79.86 The cor. of secs. 28, 29, 32, and 33.

Land, rolling and broken, draining SW.; sandstone surface rock and outcroppings.

Soil, shallow red sand, 4th. rate.

Timber, cedar.

SUBDIVISION OF T. 24 S., R. 21 E.

Chains

Undergrowth, black brush, mountain rush, and oak brush.

Grazing, poor to fair growth of gramma and sand grass.

N.0°03'W., bet. secs. 28 and 29.

Desc. NW. slope 10 ft., over rolling and broken land, through scattering timber and undergrowth.

- 4.00 Wash, 30 lks. wide, 2 ft. deep, in the bottom of draw, drains SW.; asc. 110 ft. to $\frac{1}{4}$ sec. cor., over SE. slope.
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., over a cross (X) chiseled into surface rock, and in a mound of stone, 5 ft. base, 3 ft. high, for $\frac{1}{4}$ sec. cor., with brass cap marked
- $\frac{1}{4}$
 S29 | S28
 1940
- from which
- A cedar, 5 ins. diam., bears S.15°30'E., 28 lks. dist., mkd. $\frac{1}{4}$ S 28 B T.
- A cedar, 14 ins. diam., bears S.74°56'W., 138 lks. dist., mkd. $\frac{1}{4}$ S 29 B T.
- 42.50 Top of ascent, 10 ft. above $\frac{1}{4}$ sec. cor., bears E. and NW.; desc. 75 ft.
- 44.60 Wash, 40 lks. wide, 3 ft. deep, in the bottom of draw, from E., drains NW.; asc. general SE. slope 125 ft.
- 49.40 Wash, 40 lks. wide, 3 ft. deep, drains SW.
- 56.80 Ridge, bears N.60°E. and S.60°W.; desc. gradual NW. slope 15 ft. to
- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. of secs. 20, 21, 28, and 29, with brass cap marked

T24SR21E
 S20 | S21.
 S29 | S28
 1940

from which

A cedar, 12 ins. diam., bears N.52°35'E., 109 lks. dist., mkd. T 24 S R 21 E S 21 B T.

A cedar, 6 ins. diam., bears S.54°20'E., 148 lks. dist., mkd. B T.

A cedar, 12 ins. diam., bears S.16°43'W., 149 lks. dist., mkd. T 24 S R 21 E S 29 B T.

A cedar, 8 ins. diam., bears N.13°32'W., 332 lks. dist., mkd. T 24 S R 21 E S 20 B T.

Land, rolling and broken, draining SW.; sandstone surface rock and outcroppings.

Soil, shallow red sand; 4th. rate.

SUBDIVISION OF T. 24 S., R. 21 E.

Chains

Timber, cedar.

Undergrowth, black brush, mountain rush, oak brush, and live oak.

Grazing, poor to fair of gramma and sand grass.

N.89°58'E., on a random line bet. secs. 21 and 28.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.84 Intersect N. and S. line, 5 lks. N. of the cor. of secs. 21, 22, 27, and 28.

Thence,

West, on a true line bet. secs. 21 and 28.

Over rolling land, through dense undergrowth; asc. gradual SE. slope 45 ft.

14.20 Enter scattering timber.

34.30 Ridge, bears N. and S.10°W.; gradual descent of 20 ft. to $\frac{1}{4}$ sec. cor., over general NW. slope.39.92 Set an iron post, 3 ft. long, 1 in. diam., 4 ins. in the ground to bedrock, and in a mound of stone, 5 $\frac{1}{2}$ ft. base, 2 $\frac{1}{2}$ ft. high, for $\frac{1}{4}$ sec. cor., with brass cap marked

S21

S28

1940

from which

A cedar, 8 ins. diam., bears N.65°00'E., 19 lks. dist., mkd. $\frac{1}{4}$ S 21 B T.A cedar, 10 ins. diam., bears S.22°03'W., 133 lks. dist., mkd. $\frac{1}{4}$ S 28 B T.79.84 The cor. of secs. 20, 21, 28, and 29, 115 ft. below $\frac{1}{4}$ sec. cor.

Land, rolling, draining SW.; sandstone surface rock and outcroppings; large sandstone domes on portions of mile.

Soil, red sand, sandy loam, and sand dunes, 1st. to 4th. rate.

Timber, cedar.

Undergrowth, black brush, mountain rush, yellow top, and oak brush.

Grazing, fair to good of gramma and sand grass.

N.0°03'W., bet. secs. 20 and 21.

Over gently rolling land, through scattering timber and medium dense undergrowth; desc. gradual NW. slope 15 ft.

12.90 Wash, 40 lks. wide, 4 ft. deep, in the bottom of draw,

SUBDIVISION OF T. 24 S., R. 21 E.

Chains

drains S.80°W.; asc. gradual SE. slope 60 ft. to $\frac{1}{4}$ sec. cor.

17.00 Wagon and automobile road, known as State Highway No. 93, bears west to U. S. Highway No. 160 and SE. to the Arches National Monument.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground to bedrock, and in a mound of stone, $5\frac{1}{2}$ ft. base, $2\frac{1}{2}$ ft. high, for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
S20 | S21
1940

from which

A cedar, 8 ins. diam., bears S.19°45'E., 145 lks. dist., mkd. $\frac{1}{4}$ S 21 B T.

A cedar, 10 ins. diam., bears S.24°15'W., 95 lks. dist., mkd. $\frac{1}{4}$ S 20 B T.

45.00 Low ridge, 15 ft. above $\frac{1}{4}$ sec. cor., bears E. and SW.; desc. 35 ft.

49.30 Leave timber and undergrowth, bear NE. and SW.; enter barren sandstone area.

49.50 Wash, 30 lks. wide, 4 ft. deep, in the bottom of draw, drains SW.; asc. 110 ft., over numerous sandstone spurs, domes, draws, and chasms, putting SW.

78.50 Sandstone spur, slopes SW.; desc. abrupt NW. slope 55 ft. to

80.00 True point for cor. of secs. 16, 17, 20, and 21 falls on the steep NW. face of the sandstone spur, making it impracticable to establish a cor. monument. I chisel a cross (X) at the true cor. point.

Thence, from the true point for cor. of secs. 16, 17, 20, and 21,

N.0°03'W., 2.40 chs.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, with a sandstone, 6x4x2 ins., mkd. X, deposited at the base, for witness cor. of secs. 16, 17, 20, and 21, with brass cap marked

T24SR21E
S17 | S16
S20 | S21
WC
1940

from which

A cedar, 14 ins. diam., bears N.6°00'E., 28 lks. dist., mkd. W C T 24 S R 21 E S 16 B T.

A cedar, 7 ins. diam., bears S.73°32'W., 63 lks. dist., mkd. W C T 24 S R 21 E S 17 B T.

A cedar, 10 ins. diam., bears N.71°34'W., 80 lks. dist., mkd. W C T 24 S R 21 E S 17 B T.

There are no other trees available in secs. 20 and 21.

SUBDIVISION OF T. 24 S., R. 21 E.

Chains	
	The witness sec. cor. is located 35 ft. below the true point for cor. of secs. 16, 17, 20, and 21.
	Land, rolling, S. 49.30 chs.; rugged with barren sandstone spurs, domes, draws, and chasms, N. 30.70 chs.; drainage SW.
	Soil, red sand and sandy loam, 2nd. to 4th. rate.
	Timber, cedar.
	Undergrowth, black brush, mountain rush, and oak brush.
	Grazing, fair to good of gramma and sand grass on S. 49 chs.
	From the true point for cor. of secs. 16, 17, 20, and 21 East, on a random line bet. secs. 16 and 21.
42.30	Set temp. witness $\frac{1}{4}$ sec. cor.
79.84	Intersect N. and S. line, 7 lks. S. of the cor. of secs. 15, 16, 21, and 22.
	Thence,
	S.89°57'W., on a true line bet. secs. 16 and 21.
	Over rolling land, through scattering timber and medium dense undergrowth; asc. gradual SE. slope 10 ft.
5.00	Spur, slopes SW. about 6 chs. dist.; desc. 20 ft.
11.10	Wash, 30 lks. wide, 1 ft. deep, in the bottom of draw, drains S.10°W.; asc. 15 ft.
14.00	Spur, projects S.10°W. approximately 6 chs. dist.; desc. 25 ft.
18.70	Wash, 30 lks. wide, 2 ft. deep, in the bottom of draw, drains S.; asc. 55 ft.
32.60	Top of ascent, bears N.20°E. and S.20°W.; desc. 40 ft.
36.80	Head of gulch, drains S. about 6 chs. dist., thence SW.; asc. abrupt E. slope 15 ft. to
37.50	Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for witness $\frac{1}{4}$ sec. cor., with brass cap marked
	$\begin{array}{r} \text{S16} \\ \text{WC } \frac{1}{4} \text{ ---} \\ \text{S21} \\ 1940 \end{array}$
	from which
	A cedar, 10 ins. diam., bears N.35°00'E., 65 lks. dist., mkd. W.C. $\frac{1}{4}$ S 16 B T.
	A cedar, 12 ins. diam., bears S.15°30'W., 83 lks. dist., mkd. W.C. $\frac{1}{4}$ S 21 B T.
38.50	Leave timber and undergrowth, bear N. and S.; enter barren sandstone area.
39.60	Narrow and sharp sandstone spur, 90 ft. above witness $\frac{1}{4}$

SUBDIVISION OF T. 24 S., R. 21 E.

Chains	
sec. cor., projects S. approximately 5 chs. dist.; precipitous descent of 40 ft. to	
39.92	True point for $\frac{1}{4}$ sec. cor. falls on the nearly perpendicular barren W. face of the spur, where it is impracticable to establish a cor. monument or mark a cross (X).
43.40	Rugged gulch, 50 ft. below true point for $\frac{1}{4}$ sec. cor., drains S.; asc. 210 ft., over a series of barren sandstone spurs, draws, gulches, gorges, and chasms, putting S. and SW.
78.00	Sandstone spur, slopes SW.; desc. abrupt NW. slope 60 ft. to
79.84	The true point for cor. of secs. 16, 17, 20, and 21.
	Land, rolling and broken, draining SW.; rugged with barren sandstone spurs, draws, gulches, gorges, and chasms, W. 41.30 chs.
	Soil, shallow red sand, 4th. rate; mostly sandstone surface rock exposed on W. 60 chs.
	Timber, cedar and pinon pine.
	Undergrowth, black brush, mountain rush, and oak brush.
	Grazing, fair growth of grama and sand grass on E. 19.80 chs.

From the true point for cor. of secs. 16, 17, 20, and 21, N. 0° 03' W., bet. secs. 16 and 17.
Desc. abruptly 45 ft., over barren sandstone on NW. slope.

2.40	Intersect the witness cor. of secs. 16, 17, 20, and 21.
2.80	Gulch, drains SW.; scattering timber and undergrowth along sandy bottom; asc. 135 ft., over barren sandstone on general SE. slope.
18.30	Top of ascent, bears E. and W.; desc. broken general N. slope 145 ft. to witness $\frac{1}{4}$ sec. cor., over barren sandstone.
34.50	Leave sandstone surface rock, bears E. and W.; enter scattering timber and undergrowth.
37.31	Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for witness $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
 W C
 S17 | S16
 1940

from which

A cedar, 12 ins. diam., bears N. 88° 37' E., 132 lks. dist., mkd. W C $\frac{1}{4}$ S 16 B T.

A cedar, 9 ins. diam., bears N. 26° 30' W., 64 lks. dist., mkd. W C $\frac{1}{4}$ S 17 B T.

37.50	Wash, 50 lks. wide, 5 ft. deep, in the bottom of draw, 10
-------	---

1.1

SUBDIVISION OF T. 24 S., R. 21 E.

Chains

- ft. below witness $\frac{1}{4}$ sec. cor., drains NW.; asc. SW. slope 35 ft., over barren sandstone to
- 40.00 True point for $\frac{1}{4}$ sec. cor. falls at the top of ascent of the nearly perpendicular W. face of the western extremity of spur, from E., where it is impracticable to establish a cor. monument or mark a cross (X).
- 41.20 Leave surface rock, bears E. and W.
- 53.40 A main wash, 40 lks. wide, 4 ft. deep, in the bottom of draw, 55 ft. below true point for $\frac{1}{4}$ sec. cor., drains S asc. 45 ft.
- 61.00 Spur, slopes SE. about 4 chs. dist.; gradual descent of 15 ft.
- 67.40 Wash, 30 lks. wide, 4 ft. deep, in the bottom of draw, drains S. 20° E.; asc. SW. slope 65 ft. to
- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 4 ins. in ground to bedrock, and in a mound of stone, 6 ft. base, 2 $\frac{1}{2}$ ft. high, for cor. of secs. 8, 9, 16, and 17, with brass cap marked

T24SR21E	
S8	S9
S17	S16
1940	

from whi

A cedar, 16 ins. diam., bears N. 7° 15' E., 282 lks. dist., mkd. T 24 S R 21 E S 9 B T.

A cedar limb, 9 ins. diam., bears S. 83° 40' E., 97 lks. dist., mkd. T 24 S R 21 E S 16 B T.

A cedar limb, 6 ins. diam., bears S. 34° 06' W., 129 lks. dist., mkd. T 24 S R 21 E S 17 B T.

A cedar, 8 ins. diam., bears N. 32° 08' W., 131 lks. dist., mkd. T 24 S R 21 E S 8 B T.

Land, rolling and broken, draining SW.; surface rock and outcroppings of red and gray sandstone formation.

Soil, shallow red sand and sandy loam, 1st. to 4th. rate Sandstone exposed on greater portion of S. $\frac{1}{2}$ mile.

Timber, cedar and pinon pine.

Undergrowth, black brush, mountain rush, and oak brush.

Grazing, fair to good of gramma and sand grass on N. $\frac{1}{2}$ mile.

N. 89° 57' E., on a random line bet. secs. 9 and 16.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.86 Intersect N. and S. line, 7 lks. S. of the cor. of secs. 9, 10, 15, and 16.

Thence,

S. 89° 54' W., on a true line bet. secs. 9 and 16.

SUBDIVISION OF T. 24 S., R. 21 E.

Chains

Over rough and broken land, through scattering timber and medium dense undergrowth; asc. gradual SE. slope 5 ft.

3.30 Top of ascent, bears NE. and SW.; desc. NW. slope 150 ft.

24.40 Wash, 30 lks. wide, 4 ft. deep, in the bottom of draw, drains S.80°W.; gradual ascent of 10 ft.

34.10 Spur, slopes SW. about 3 chs. dist.; desc. gradually 20 ft.

36.20 Wash, 20 lks. wide, 3 ft. deep, in the bottom of draw, drains SW.; asc. gradual SE. slope 5 ft. to

39.93 Set an iron post, 3 ft. long, 1 in. diam., 22 ins. in the ground to bedrock, and in a mound of stone; 3 ft. base, 1 ft. high, for $\frac{1}{4}$ sec. cor., with brass cap marked

S9

S16

1940

from which

A cedar, 9 ins. diam., bears N.8°00'E., 83 lks. dist., mkd. $\frac{1}{4}$ S 9 B T.

A cedar, 6 ins. diam., bears S.26°06'E., 84 lks. dist., mkd. $\frac{1}{4}$ S 16 B T.

44.40 Spur, 10 ft. above $\frac{1}{4}$ sec. cor., slopes SW. approximately 4 chs. dist.; desc. 25 ft.

45.70 Wash, 30 lks. wide, 2 ft. deep, in the bottom of draw, drains S. about 3 chs. dist., thence S.80°W.; gradual ascent of 60 ft. to sec. cor., over general S. slope.

53.40 Wash; 40 lks. wide, 3 ft. deep, drains S.10°W.

79.86 The cor. of secs. 8, 9, 16, and 17.

Land, rolling and broken, draining SW.; sandstone surface rock and outcroppings.

Soil, shallow red sand and sandy loam, 1st. to 4th. rate.

Timber, cedar and pinon pine.

Undergrowth, black brush, mountain rush, and oak brush.

Grazing, poor to fair of gramma and sand grass.

N.0°03'W., bet. secs. 8 and 9.

Over rolling and rough general S. slope, through scattering timber and medium dense undergrowth; asc. gradually over small draws and spurs, putting SW.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

S8

S9

1940

from which

SUBDIVISION OF T. 24 S., R. 21 E.

Chains

A cedar limb, 8 ins. diam., bears N. 30° 15' E., 157 lks. dist., mkd. $\frac{1}{4}$ S 9 B T.

A cedar, 8 ins. diam., bears N. 44° 00' W., 24 lks. dist., mkd. $\frac{1}{4}$ S 8 B T.

This $\frac{1}{4}$ sec. cor. stands on a general S. slope, 185 ft. above the cor. of secs. 8, 9, 16, and 17.

47.10 Top of broad spur, 55 ft. above $\frac{1}{4}$ sec. cor., projects SW desc. 40 ft.

60.30 Draw, drains SW.; asc. 60 ft.

66.40 Spur, projects SW.; over level head of draw, draining SW to

71.00 Ridge, bears E. and W.; desc. gradual N. slope 10 ft. to

73.90 Rim of mountain, bears NW. and SE.; desc. abrupt NE. slope 90 ft. to sec. cor., over broken ledges, bearing NW. and SE.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 4 ins. in the ground to bedrock, with a sandstone, 6x4x2 ins., mkd. X, deposited at the base, and in a mound of stone, 5 $\frac{1}{2}$ ft. base, 2 $\frac{1}{2}$ ft. high, for cor. of secs. 4, 5, 8, and 9, with brass cap marked

T24SR21E

S5	S4
S8	S9

1940

from which

A pinon pine, 10 ins. diam., bears N. 89° 52' W., 63 lks. dist., mkd. T 24 S R 21 E S 5 B T.

There are no available trees suitable for marking in secs. 4, 8, and 9.

Land, mountainous; rolling general S. slope, S. 47.10 chs. gray and red sandstone outcroppings and ledges, N. 32.90 chs.; drainage SW., S. 71.00 chs., NE., N. 9.00 chs.

Soil, red sand and sandy loam, 1st. to 4th. rate.

Timber, cedar and pinon pine.

Undergrowth, black brush and mountain rush.

Grazing, fair to good of bunch and sand grass, on S. 47.10 chs.

N. 89° 54' E., on a random line bet. secs. 4 and 9.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.86 Intersect N. and S. line; 14 lks. N. of the cor. of secs. 3, 4, 9, and 10.

Thence,

West, on a true line bet. secs. 4 and 9.

Over nearly level land, through sparse timber and scattering undergrowth; asc. gradually 65 ft. to $\frac{1}{4}$ sec. cor.,

SUBDIVISION OF T. 24 S., R. 21 E.

Chains

along gentle NE. slope.

39.93 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground; for $\frac{1}{4}$ sec. cor., with brass cap marked

34
 $\frac{1}{4}$ ———
 S9
 1940

from which

A cedar, 4 ins. diam., bears S.30°00'E., 297 lks. dist., mkd. $\frac{1}{4}$ S 9 B T.

A cedar, 4 ins. diam., bears N.7°30'W., 454 lks. dist.; mkd. $\frac{1}{4}$ S 4 B T.

Continue ascent of 25 ft. along gentle NE. slope.

51.00 Wash, 15 lks. wide, 4 ft. deep, drains N.20°E.

70.00 Leave gradual NE. slope; begin abrupt ascent of 165 ft., over rough NE. breaks of mountain to

79.86 The cor. of secs. 4, 5, 8, and 9.

Land, nearly level and gently rolling, E. 70.00 chs.; abrupt and rough with small sandstone ledges, W. 10.00 chs; drainage NE.

Soil, shallow and deep red sand, 1st. to 4th. rate.

Timber, cedar.

Undergrowth, black brush, mountain rush, and rabbit brush.

Grazing, fair to good of gramma and sand grass.

N.0°05'W., on a random line bet. secs. 4 and 5.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.00 Set temp. lot cor.

112.94 Intersect the N. bdy. of the Tp., 7 lks. E. of the cor. of secs. 4, 5, 32, and 33, which is an iron post, 2 ins. diam., firmly set and projecting 6 ins. above ground, and correctly marked and witnessed as described in the official record.

Thence,

S.0°07'E., on a true line bet. secs. 4 and 5.

Over nearly level land, through scattering undergrowth; desc. gradual SW. slope 45 ft.

9.30 Wagon road, bears NW. to Thompson, Utah and SE. to the Wolf Ranch in sec. 7, T. 24 S., R. 22 E.

13.60 Wash, 10 lks. wide, 2 ft. deep, drains SE. about 50 lks. dist., thence S.

19.50 Salt Valley Wash, 60 lks. wide, 3 ft. deep, in the bottom of swale, drains SE.; asc. gentle NE. slope 25 ft. to lot cor.

SUBDIVISION OF T. 24 S., R. 21 E.

Chains

28.30 Wash, 15 lks. wide, 3 ft. deep, drains NE.

32.94 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in ground, for cor. of lots 5 and 12, sec. 4 and lots 8 and 9, sec. 5, with brass cap marked

8	5
S5	S4
9	12

1940

of stone, 3 ft. base,, 2½ ft. high, W. of cor. raise a mound

continue gradual ascent of 15 ft. along NE. slope.

56.00 Low sand hill, bears NE. and SW.; desc. gentle SE. slope 15 ft.

65.20 Wash, 15 lks. wide, 2 ft. deep, in the bottom of draw, drains NE.; asc. gradual general NE. slope 10 ft. to

72.94 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in ground, for ¼ sec. cor., with brass cap marked

¼	
S5	S4

1940

of stone, 3 ft. base, 2 ft. high, W. of cor. raise a mound

Continue gradual ascent of 20 ft. along NE. slope to

93.00 Wash, 20 lks. wide, 3 ft. deep, drains N.20°E.; leave nearly level and gently rolling land, bears NW. and SE.; begin abrupt ascent of 210 ft., over a series of small ledges, bearing NW. and SE., on NE. slope, to

112.94 The cor. of secs. 4, 5, 8, and 9.

Land, nearly level and gently rolling, N. 93.00 chs.; on NE. breaks of mountain, S. 19.94 chs.; sandstone formation drainage NE.

Soil, shallow and deep red sand, 1st. to 4th. rate.

Timber, a sparse growth of cedar on S. 20 chs.

Undergrowth, black brush, mountain rush, and rabbit brush

Grazing, poor to fair of gramma and sand grass.

From the cor. of secs. 5, 6, 31, and 32, on the S. bdy. of the Tp., which is an iron post, 2 ins. diam., firmly set on surface rock, and surrounded by a mound of stone, 6½ ft. base, 3 ft. high, and correctly marked and witnessed as described in the official record,

To the brass cap markings, I add A N M to sec. 5.

N.0°03'W., bet. secs. 31 and 32.

Over rolling, rough, and broken land, through scattering

SUBDIVISION OF T. 24 S., R. 21 E.

Chains

timber and undergrowth; asc. gradual S. slope 25 ft.

9.80 Top of ascent; bears E. and W.; gradual descent of 20 ft. to $\frac{1}{4}$ sec. cor., over N. slope.

40.00 Set an iron post, 3 ft. long, 1 in. diam., over a cross (X) chiseled into surface rock, and in a mound of stone, 5 ft. base, 3 ft. high, for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
S31 | S32
1940

from which

A cedar, 26 ins. diam., bears S.57°45'E., 26 lks. dist., mkd. $\frac{1}{4}$ S 32 B T.

A cedar, 8 ins. diam., bears S.72°07'W., 264 lks. dist., mkd. $\frac{1}{4}$ S 31 B T.

40.60 Draw, 5 ft. below $\frac{1}{4}$ sec. cor., drains S.80°W.; asc. SE. slope 55 ft. to

52.10 S. edge of broad ridge or bench, bears N.70°E. and S.70°W.; over level top to

65.40 N. edge of the ridge or bench, bears N.60°E. and S.60°W.; desc. NW. slope 50 ft.

75.30 Wash, 30 lks. wide, 3 ft. deep, in the bottom of draw, drains S.60°W.; asc. SE. slope 55 ft. to

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 16 ins. in the ground to bedrock, with a sandstone, 4x4x2 ins., mkd. X, deposited at the base, and in a mound of stone, 4 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, for cor. of secs. 29, 30, 31, and 32, with brass cap marked

T24SR21E
S30 | S29
S31 | S32
1940

from which

A cedar, 6 ins. diam., bears S.40°35'E., 446 lks. dist., mkd. T 24 S R 21 E S 32 B T.

A cedar, 8 ins. diam., bears S.83°35'W., 677 lks. dist., mkd. T 24 S R 21 E S 31 B T.

A cedar, 12 ins. diam., bears N.63°05'W., 277 lks. dist., mkd. B T.

There are no trees available in sec. 29, and the bearing tree in sec. 30 is too scrubby to permit the full marking.

Land, rolling, rough, and broken, draining SW.; sandstone formation.

Soil, shallow red sand, 4th. rate; mostly surface rock exposed.

Timber, cedar.

Undergrowth, black brush, mountain rush, and oak brush.

Grazing, sparse and scattering bunch and sand grass.

SUBDIVISION OF T. 24 S., R. 21 E.

Chains

East, on a random line bet. secs. 29 and 32.

- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.98 Intersect N. and S. line, 7 lks. S. of the cor. of sec.
 28, 29, 32, and 33.

Thence,

S. $39^{\circ}57'W.$, on a true line bet. secs. 29 and 32.

Desc. NW. slope 15 ft., over rolling and broken land,
 through scattering timber and dense undergrowth.

- 0.70 Wash, 30 lks. wide, 2 ft. deep, in the bottom of draw,
 drains SW.; gradual ascent of 20 ft.
 32.20 Top of ascent; bears NE; and SW.; gradual descent of 25
 over NW. slope to
 39.99 Set an iron post, 3 ft. long, 1 in. diam., over a cross
 (X) chiseled into surface rock, and in a mound of stone
 $5\frac{1}{2}$ ft. base, 3 ft. high, for $\frac{1}{4}$ sec. cor., with brass ca
 marked

S29

$\frac{1}{4}$

S32

1940

from whi

A cedar, 7 ins. diam., bears S. $13^{\circ}45'W.$, 73
 lks. dist., mkd. $\frac{1}{4}$ S 32 B T.

A cedar, 8 ins. diam., bears N. $80^{\circ}23'W.$, 149
 lks. dist., mkd. $\frac{1}{4}$ S 29 B T.

- 72.80 Wash, 30 lks. wide, 3 ft. deep, in the bottom of draw,
 95 ft. below $\frac{1}{4}$ sec. cor., drains SW.; asc. SE. slope 35
 to

- 79.98 The cor. of secs. 29, 30, 31, and 32.

Land, rolling, rough, and broken, draining SW.; sandston
 formation.

Soil, shallow red sand, 4th. rate; surface rock exposed
 on portions of mile.

Timber, cedar.

Undergrowth, black brush, mountain rush, yellow top, and
 oak brush.

Grazing, fair growth of gramma and sand grass.

West, on a random line bet. secs. 30 and 31.

- 40.00 Set temp. $\frac{1}{4}$ sec. cor.

- 79.77 Intersect the W. bdy. of the Tp., 22 $\frac{1}{2}$ lks. E. of the cor.
 of secs. 30 and 31, T. 24 S., R. 21 E., which is an iron
 post, 2 ins. diam., firmly set and projecting $1\frac{1}{2}$ ft. above
 ground, and surrounded by a mound of stone, $4\frac{1}{2}$ ft. base,
 $1\frac{1}{2}$ ft. high, and correctly marked and witnessed as de-
 scribed in the official record.

SUBDIVISION OF T. 24 S., R. 21 E.

Chains

	Thence,
	N.89°50'E., on a true line bet. secs. 30 and 31.
	Over rough and broken land, through scattering timber and undergrowth; desc. SE. slope 75 ft. to
25.20	W. rim of a box gulch, known as Court House Wash, 65 ft. high, bears NE. and SW.; stream of clear alkali water, 20 lks. wide, 4 ins. deep, in the bottom of the gulch, course SW.
28.20	E. rim of the box gulch, 65 ft. high, bears NE. and SW.; asc. 65 ft. to $\frac{1}{4}$ sec. cor., over NW. slope.
39.77	Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground to bedrock, and in a mound of stone, $4\frac{1}{2}$ ft. base, 2 ft. high, for $\frac{1}{4}$ sec. cor., with brass cap marked
	S30
	$\frac{1}{4}$
	S31
	1940
	from which
	A cedar, 8 ins. diam., bears S.13°50'E., 102 lks. dist., mkd. B T.
	A cedar, 12 ins. diam., bears N.34°50'W., 478 lks. dist., mkd. $\frac{1}{4}$ S 30 B T.
41.70	Ridge, 5 ft. above $\frac{1}{4}$ sec. cor., bears NE. and SW.; gradual descent of 15 ft.
46.70	Wash, 30 lks. wide, 2 ft. deep, in the bottom of draw, drains SW.; asc. NW. slope 100 ft.
73.30	Top of ascent, bears N.80°E. and S.80°W.; desc. gradual SE. slope 5 ft. to
79.77	The cor. of secs. 29, 30, 31, and 32.
	Land, rolling, rough, and broken, draining SE. and SW., thence S.; sandstone formation.
	Soil, shallow red sand, 4th. rate; surface rock exposed on portions of mile.
	Timber, cedar.
	Undergrowth, black brush, mountain rush, oak brush, and shadscale.
	Grazing, fair growth of gramma and sand grass.
	N.0°03'W., bet. secs. 29 and 30.
	Asc. gradual SE. slope 10 ft., through a sparse growth of timber and dense undergrowth.
5.60	Top of ascent, bears N.80°E. and S.80°W.; desc. 35 ft.
8.10	Wash, 20 lks. wide, 2 ft. deep, in the bottom of draw, drains S.80°W.; asc. 35 ft.
34.20	Ridge, bears N.70°E. and S.70°W.; desc. 15 ft.

SUBDIVISION OF T. 24 S., R. 21 E.

Chains

36.80 Wash, 40 lks. wide, 3 ft. deep, in the bottom of draw, drains S.80°W.; asc. gradual SE. slope 10 ft. to

40.00 Set an iron post, 3 ft. long, 1 in. diam., over a cross (X) chiseled into surface rock, and in a mound of stone 6½ ft. base, 3 ft. high, for ¼ sec. cor., with brass cap marked

S30 | S29

1940

All available trees are too scrubby for marking.

48.10 Top of ascent, 20 ft. above ¼ sec. cor., bears N.70°E. and S.70°W.; desc. 20 ft..

49.40 Wash, 30 lks. wide, 2 ft. deep, in the bottom of draw, drains S.60°W.; asc. general SW. slope 95 ft. to

80.00 Set an iron post, 3 ft. long, 2 ins. diam., over a cross (X) chiseled into surface rock, and in a mound of stone 5½ ft. base, 3 ft. high, for cor. of secs. 19, 20, 29, 30, with brass cap marked

T24SR21E

S19 | S20

S30 | S29

1940

from, whi

A cedar, 5 ins. diam., bears S.51°00'E., 137 lks. dist., mkd. B.T.

A cedar, 8 ins. diam., bears N.66°25'W., 264 lks. dist., mkd. T 24 S R 21 E S 19 B T.

The bearing tree in sec. 29 is too scrubby to permit the full marking, and there are no trees available in secs. 20 and 30.

Land, rolling, rough, and broken, draining SW.; sandstone formation.

Soil, shallow red sand, 3rd. and 4th. rate; surface rock exposed on portions of mile.

Timber, cedar.

Undergrowth, black brush, mountain rush, oak brush, and yellow top.

Grazing, poor to a good growth of gramma and sand grass.

N.89°57'E., on a random line bet. secs. 20 and 29.

40.00 Set temp. ¼ sec. cor.

79.96 Intersect N. and S. line, 5 lks. S. of the cor. of secs. 20, 21, 28, and 29.

Thence,

S.89°55'W., on a true line bet. secs. 20 and 29.

SUBDIVISION OF T. 24 S., R. 21 E.

Chains

- Over rolling and broken land, through scattering timber and medium dense undergrowth; desc. gradual NW. slope 140 ft.
- 38.10 Wash, 30 lks. wide, 3 ft. deep, in the bottom of draw, drains SW.; asc. gradual SE. slope 10 ft. to
- 39.98 Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground to bedrock, and in a mound of stone, $3\frac{1}{2}$ ft. base, 1 ft. high, for $\frac{1}{4}$ sec. cor., with brass cap marked
- S20
 $\frac{1}{4}$
S29
1940
- from which
- A cedar, 8 ins. diam., bears S.38°53'W., 58 lks. dist., mkd. $\frac{1}{4}$ S 29 B T.
- A cedar, 8 ins. diam., bears N.75°06'W., 95 lks. dist., mkd. $\frac{1}{4}$ S 20 B T.
- 44.66 Top of ascent on NE. slope, 15 ft. above $\frac{1}{4}$ sec. cor.; from this station, a flag pole directly in front of a frame house, 12x9 ft., bears N.14°27'W.; this house was constructed and is owned by the U. S. National Park Service.
- From the SE. cor. of the house, Willow Spring bears S.60°E. 3.20 chs. dist. The spring flows a stream of good clear water, $\frac{1}{2}$ lk. wide, 1 in. deep, into a wooden trough, 1.50 chs. in length, and 1 ft. wide and 1 ft. deep. The trough is hewed out of cottonwood logs.
- 51.90 Wash, 40 lks. wide, 4 ft. deep, in the bottom of draw, 60 ft. below top of ascent, drains from N. to SW.; asc. 25 ft.
- 55.40 Top of ascent, bears N. and SW.; desc. gradual general W. slope 60 ft. to
- 79.96 The cor. of secs. 19, 20, 29, and 30.
- Land, rolling, rough, and broken, draining SW.; sandstone formation.
- Soil, shallow red sand, 3rd. and 4th. rate; surface rock exposed on portions of mile.
- Timber, cedar.
- Undergrowth, black brush, mountain rush, oak brush, and yellow top.
- Grazing, poor to good growth of gramma and sand grass.
-
- S.89°50'W., on a random line bet. secs. 19 and 30.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 79.72 Intersect the W. bdy. of the Tp., 5 lks. N. of the true point for cor. of secs. 19 and 30, T. 24 S., R. 21 E., or 32 lks. S. of the witness cor. of secs. 19 and 30, which is an iron post, 2 ins. diam., firmly set on surface rock, and surrounded by a mound of stone, $4\frac{1}{2}$ ft. base, 3 ft. high, and correctly marked and witnessed as described in the official record.

SUBDIVISION OF T. 24 S., R. 21 E.

Chains

Thence, from the true point for cor. of secs. 19 and 30
N. 89° 48' E., on a true line bet. secs. 19 and 30.

Over rolling, rough, and broken land, through scattering
timber and undergrowth; asc. NW, slope 25 ft.

- 2.20 W. edge or rim of ridge, bears N. and SW.; asc. 25 ft.,
over broken and rolling top to
- 3.30 E. edge or rim of the ridge, bears N. and S.; desc. rou
SE. slope 125 ft.
- 22.40 Wash, 30 lks. wide, 4 ft. deep, in the bottom of draw,
from N. 30° E., drains SE. about 8 chs. dist., thence sou
westerly; asc. 20 ft.
- 23.30 Top of ascent on S. slope; desc. 10 ft.
- 31.30 Wash, 20 lks. wide, 2 ft. deep, in the bottom of draw,
drains SW.; asc. 25 ft. to $\frac{1}{4}$ sec. cor., over general W.
slope.
- 39.72 Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in t
ground to bedrock, and in a mound of stone, $4\frac{1}{2}$ ft. base
2 ft. high, for $\frac{1}{4}$ sec. cor., with brass cap marked

S19
 $\frac{1}{4}$
S30
1940

from whi

A cedar, 6 ins. diam., bears S. 21° 56' E., 193
lks. dist., mkd. $\frac{1}{4}$ S 30 B T.

A cedar, 9 ins. diam., bears N. 31° 35' W., 385
lks. dist., mkd. $\frac{1}{4}$ S 19 B T.

- 70.72 The cor. of secs. 19, 20, 29, and 30, 110 ft. above $\frac{1}{4}$ s
cor.

Land, rolling, rough, and broken, draining SW.; sandston
formation.

Soil, shallow red sand and clay, 3rd. and 4th. rate;
surface rock exposed on portions of mile.

Timber, cedar.

Undergrowth, black brush, mountain rush, yellow top, oak
brush, and shadscale.

Grazing, poor to fair of gramma and sand grass.

N. 0° 03' W., bet. secs. 19 and 20.

Over rolling, rough, and broken land, through scattering
timber and undergrowth; asc. 120 ft. to $\frac{1}{4}$ sec. cor., alon
general W. slope.

- 33.40 Wagon and automobile road, known as State Highway No. 93
bears east to the Arches National Monument and west to U.
S. Highway No. 160.

- 39.35 A flag pole directly in front of the frame house in the

SUBDIVISION OF T. 24 S., R. 21 E.

Chains

NE $\frac{1}{4}$ SW $\frac{1}{4}$ of sec. 20, bears S.62°38'E. The house is herein-
before described on line bet. secs. 20 and 29.

40.00

Set an iron post, 3 ft. long, 1 in. diam., 16 ins. in the
ground to bedrock, and in a mound of stone, 5 ft. base, 1 $\frac{1}{2}$
ft. high, for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
 S19 | S20
 1940

from which

A cedar, 6 ins. diam., bears N.80°00'E., 143
lks. dist., mkd. $\frac{1}{4}$ S 20 B T.

A cedar, 10 ins. diam., bears S.73°55'W., 84
lks. dist., mkd. $\frac{1}{4}$ S 19 B T.

From this cor., continue gradual ascent of 85 ft., over
general W. slope to

80.00

Set an iron post, 3 ft. long, 2 ins. diam., 10 ins. in the
ground to bedrock, and in a mound of stone, 4 $\frac{1}{2}$ ft. base,
2 ft. high, for cor. of secs. 17, 18, 19, and 20, with
brass cap marked

T24SR21E
 S18 | S17
 S19 | S20
 1940

from which

A cedar, 8 ins. diam., bears N.44°15'E., 55
lks. dist., mkd. T 24 S R 21 E S 17 B T.

A cedar, 7 ins. diam., bears S.16°54'E., 128
lks. dist., mkd. B T.

A cedar, 10 ins. diam., bears S.61°00'W., 70
lks. dist., mkd. T 24 S R 21 E S 19 B T.

A cedar, 9 ins. diam., bears N.71°30'W., 60
lks. dist., mkd. T 24 S R 21 E S 18 B T.

The bearing tree in sec. 20 is too scrubby to permit the
full marking.

Land, rolling, rough, and broken, draining SW.; sandstone
formation.

Soil, shallow red sand, 4th. rate; surface rock exposed on
portions of mile.

Timber, cedar.

Undergrowth, black brush, mountain rush, yellow top, oak
brush, and shadscale.

Grazing; poor to fair of bunch and sand grass.

N.89°55'E., on a random line bet. secs. 17 and 20.

40.00

Set temp. $\frac{1}{4}$ sec. cor.

80.08

Intersect N. and S. line at the true point for cor. of

SUBDIVISION OF T. 24 S., R. 21 E.

Chains

secs. 16, 17, 20, and 21.

Thence,

S.89°55'W., on a true line bet. secs. 17 and 20.

Desc. abruptly 50 ft., over barren sandstone on NW. slope

4.70 Wash, 30 lks. wide, 4 ft. deep, in the bottom of gulch, drains SW.; scattering timber and undergrowth along sand bottom; asc. 90 ft. over rough and broken general SE. slope of barren sandstone.

12.20 Enter a scattering to a heavy growth of timber and undergrowth, bears N.20°E. and S.20°W.; ascent becomes more gradual.

25.30 Sandstone ridge, bears N.20°E. and S.20°W.; desc. 150 ft. to $\frac{1}{4}$ sec. cor., over rough and broken NW. slope.

40.04 Set an iron post, 3 ft. long, 1 in. diam., 14 ins. in the ground to bedrock, and in a mound of stone, $4\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, for $\frac{1}{4}$ sec. cor., with brass cap marked

S17

 $\frac{1}{4}$

S20

1940

from which

A cedar, 12 ins. diam., bears S.53°24'E., 123 lks. dist., mkd. $\frac{1}{4}$ S 20 B T.

A cedar limb, 8 ins. diam., bears N.58°30'W., 43 lks. dist., mkd. $\frac{1}{4}$ S.17 B T.

61.30 Wash, 40 lks. wide, 5 ft. deep, in the bottom of draw, 100 ft. below $\frac{1}{4}$ sec. cor., drains S.10°W.; asc. gradual rough and broken general SE. slope 35 ft. to

80.08 The cor. of secs. 17, 18, 19, and 20.

Land, rough and broken, draining SW.; sandstone formation

Soil, shallow red sand, 4th. rate; mostly surface rock exposed on greater portion of mile.

Timber, cedar and pinon pine.

Undergrowth, black brush, mountain rush, and oak brush.

Grazing, poor to fair of gramma and sand grass.

S.89°48'W., on a random line bet. secs. 18 and 19.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.67 Intersect the W. bdy. of the Tp., 7 lks. N. of the cor. of secs. 18 and 19, T. 24 S., R. 21 E., which is an iron post, 2 ins. diam., firmly set, projecting $1\frac{1}{2}$ ft. above ground, and surrounded by a mound of stone, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, and correctly marked and witnessed as described in the official record.

Thence,

SUBDIVISION OF T. 24 S., R. 21 E.

Chains

0.00	N.89°45'E., on a true line bet. secs: 18 and 19.
	Over rough and broken land, through scattering timber and undergrowth; asc: 145 ft. along general NW. slope.
4.20	Wash; 30 lks. wide; 3 ft. deep; drains S.80°W.
18.60	Same wash as noted at 4.20 chs., 30 lks. wide, 3 ft. deep, drains from N.70°E. to N.70°W.
28.10	Sandstone ridge, bears N.70°E. and S.70°W.; desc. 25 ft.
36.90	Wash, 30 lks. wide, 4 ft. deep, in the bottom of draw, drains S.70°W.; asc. 45 ft. to $\frac{1}{4}$ sec. cor., over NW. slope
39.67	Set an iron post, 3 ft. long, 1 in. diam., 16 ins. in the ground to bedrock, and in a mound of stone, $4\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, for $\frac{1}{4}$ sec. cor.; with brass cap marked
	<div style="text-align: center;"> S18 $\frac{1}{4}$ S19 1940 </div>
	from which
	A cedar, 10 ins. diam.; bears S.79°18'W., 403 lks. dist., mkd. $\frac{1}{4}$ S 19 B T.
	A cedar, 8 ins. diam.; bears N.19°45'W., 232 lks. dist., mkd. $\frac{1}{4}$ S 18 B T.
51.90	Top of ascent, 25 ft. above $\frac{1}{4}$ sec. cor.; bears NE. and SW; desc. gradual SE. slope 5 ft. to
79.67	The cor. of secs. 17, 18, 19, and 20.
	Land, rough and broken, draining SW.; sandstone formation.
	Soil, shallow red sand, 4th. rate.
	Timber, cedar and pinon pine.
	Undergrowth, black brush, mountain rush, and oak brush.
	Grazing, poor to fair of bunch and sand grass.
	N.0°03'W.; bet. secs. 17 and 18.
	Over gently rolling, rough; and broken land, through scattering timber and undergrowth.
40.00	Set an iron post, 3 ft. long, 1 in. diam., over a cross (X) chiseled into surface rock, and in a mound of stone, 5 ft. base, 3 ft. high, for $\frac{1}{4}$ sec. cor., with brass cap marked
	<div style="text-align: center;"> $\frac{1}{4}$ S18 S17 1940 </div>
	from which
	A cedar, 9 ins. diam., bears S.77°00'E., 251 lks. dist., mkd. $\frac{1}{4}$ S 17 B T.
	A cedar, 6 ins. diam., bears S.29°15'W., 34 lks. dist., mkd. $\frac{1}{4}$ S 18 B T.

SUBDIVISION OF T. 24 S., R. 21 E.

Chains

This $\frac{1}{4}$ sec. cor. is located 75 ft. above the cor. of secs. 17, 18, 19, and 20.

75.40 Wash, 20 lks. wide, 2 ft. deep, drains southwesterly.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground to bedrock, and in a mound of stone, 5 ft. base, 2 ft. high, for cor. of secs. 7, 8, 17, and 18, with brass cap marked

T24SR21E

S7 S8

S18 S17

1940.

from which

A cedar limb, 5 ins. diam., bears N.74°30'E., 105 lks. dist., mkd. T 24 S R 21 E S 8 B T.

A cedar, 8 ins. diam., bears S.46°15'E., 224 lks. dist., mkd. T 24 S R 21 E S 17 B T.

A cedar, 10 ins. diam., bears S.84°05'W., 177 lks. dist., mkd. T 24 S R 21 E S 18 B T.

A cedar, 5 ins. diam., bears N.22°50'W., 112 lks. dist., mkd. B T.

The bearing tree in sec. 7 is too scrubby to permit the full marking.

This sec. cor. is located 105 ft. above the $\frac{1}{4}$ sec. cor.

Land, rolling, rough, and broken, draining SW.; sandstone formation.

Soil, shallow red sand, 3rd. and 4th. rate; surface rock exposed on portions of mile.

Timber, cedar.

Undergrowth, black brush, mountain rush, yellow top, and oak brush.

Grazing, poor to good of gramma and sand grass.

N.89°55'E., on a random line bet. secs. 8 and 17.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.88 Intersect N. and S. line, 12 lks. N. of the cor. of secs. 8, 9, 16, and 17.

Thence,

West, on a true line bet. secs. 8 and 17.

Over rolling, rough, and broken land, through scattering timber and undergrowth.

5.70 Wash, 20 lks. wide, 4 ft. deep, drains S.30°E.

39.94 Set an iron post, 3 ft. long, 1 in. diam., 14 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base, 1 $\frac{1}{2}$ ft. high, for $\frac{1}{4}$ sec. cor., with brass cap marked

SUBDIVISION OF T. 24 S., R. 21 E.

Chains

S8

S17

1940

from which

A cedar, 12 ins. diam., bears N.44°33'E., 96
lks. dist., mkd. $\frac{1}{4}$ S 8 B T.

A cedar limb, 6 ins. diam., bears S.43°02'E., 187
lks. dist., mkd. $\frac{1}{4}$ S 17 B T.

This $\frac{1}{4}$ sec. cor. is located 25 ft. above cor. of secs. 8,
9, 16, and 17.

47.10 Top of ascent, 15 ft. above $\frac{1}{4}$ sec. cor., bears NE. and S.

73.90 Wash, 20 lks. wide, 2 ft. deep, drains S.70°W.

79.88 The cor. of secs. 7, 8, 17, and 18, 80 ft. below top of
ascent.

Land, rolling, rough, and broken, draining SW.; sandstone
formation.

Soil, shallow red sand, 3rd. and 4th. rate; surface rock
exposed on portions of mile.

Timber, cedar.

Undergrowth, black brush, mountain rush, yellow top, and
oak brush.

Grazing, poor to fair of gramma and sand grass.

S.89°45'W., on a random line bet. secs. 7 and 18.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.65 Intersect the W. bdy. of the Tp., 14 lks. N. of the cor.
of secs. 7 and 18, T. 24 S., R. 21 E., which is an iron
post, 2 ins. diam., firmly set in the crevice of a ledge
and projecting 6 ins. above ground, and correctly marked
and witnessed as described in the official record.

Thence,

N.89°39'E., on a true line bet. secs. 7 and 18.

Over rolling, rough, and broken land, through scattering
to medium heavy timber and undergrowth; asc. NW. slope 15
ft.

3.60 Top of ascent or low ridge, bears NE. and SW.; desc. 35 ft.

7.10 Draw, drains SW.; asc. 35 ft.

19.40 Top of ascent, bears NE. and SW.; desc. 130 ft., over
rough and broken top.

27.40 Top of broken and nearly perpendicular sandstone ledge,
or rim of draw, 25 ft. high, bears NE. and SW.

38.10 Draw, drains SW.; gradual ascent of 5 ft. to $\frac{1}{4}$ sec. cor.,
over NW. slope.

39.65 Set an iron post, 3 ft. long, 1 in. diam., over a cross

SUBDIVISION OF T. 24 S., R. 21 E.

Chains

angle 10

(X) chiseled into surface rock, and in a mound of stone, 7 ft. base, 3 ft. high, for $\frac{1}{4}$ sec. cor., with brass cap marked

S7
 $\frac{1}{4}$
 S18
 1940

All available trees are unsuitable for marking.

43.10 Red clay spur, 45 ft. above $\frac{1}{4}$ sec. cor., projects SW. about 12 chs. dist.; desc. 15 ft.

47.70 Draw, drains SW.; asc. general SW. slope 120 ft. to sec. cor.

49.00 Enter a medium heavy growth of timber, bears NE. and SW.

79.65 The cor. of secs. 7, 8, 17, and 18.

Land, rolling, rough, and broken, draining SW.; gray, red and yellow sandstone, and volcanic formation.

Soil, shallow red sand and red clay, 4th. rate; mostly surface rock, ledges, and rims.

Timber, cedar; a few pinon pine.

Undergrowth, black brush, mountain rush, oak brush, and service berry bushes.

Grazing, poor to fair of gramma and bunch grass.

N.0°03'W., bet. secs. 7 and 8.

Over rolling and broken land, through medium heavy timber and undergrowth; asc. gradually 60 ft.; along general SW. slope, across low sandstone domes and outcroppings.

19.80 Top of ascent, bears E. and W.; desc. gradual general NW. slope 20 ft. to witness $\frac{1}{4}$ sec. cor.

28.00 Leave sandstone domes and outcroppings.

34.10 Wash, 50 lks. wide, 4 ft. deep, drains from E. to W.

39.10 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for witness $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
 W C

S7 | S8
 1940

from which

A cedar limb, 8 ins. diam., bears N.72°37'E., 134 lks. dist., mkd. W C $\frac{1}{4}$ S 8 B T.

A cedar, 10 ins. diam., bears S.11°20'W., 160 lks. dist., mkd. W C $\frac{1}{4}$ S 7 B T.

39.80 Wash, 30 lks. wide, 5 ft. deep, in the bottom of hollow,

SUBDIVISION OF T. 24 S., R. 21 E.

Chains

15 ft. below witness $\frac{1}{4}$ sec. cor., drains SW.; asc. general SE. slope. 70 ft.

.40.00 True point for $\frac{1}{4}$ sec. cor. falls on N. bank of the wash, making it impracticable and unsafe to establish a cor. monument.

54.80 Top of ascent, bears NE. and W.; desc. gently rolling NW. slope 10 ft. to

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. of secs. 5, 6, 7, and 8, with brass cap marked

T24SR21E

S6	S5
S7	S8

.1940..

from which

A cedar, 8 ins. diam., bears N. $14^{\circ}55'E.$, 304 lks. dist., mkd. T 24 S R 21 E S 5 B T.

A cedar limb, 5 ins. diam., bears S. $70^{\circ}02'E.$, 320 lks. dist., mkd. B T.

A cedar limb, 8 ins. diam., bears S. $28^{\circ}38'W.$, 488 lks. dist., mkd. T 24 S R 21 E S 7 B T.

A cedar, 12 ins. diam., bears N. $44^{\circ}54'W.$, 50 lks. dist., mkd. T 24 S R 21 E S 6 B T.

The bearing tree in sec. 8 is too scrubby to permit the full marking.

Land, rolling; rough and broken, S. 28.00 chs.; gray sandstone formation; drainage SW.

Soil, shallow and deep red sand, 1st. to 4th. rate.

Timber, cedar; a few pinon pine.

Undergrowth, black brush, mountain rush, oak brush, and service berry bushes.

Grazing, bunch and sand grass, poor growth on S. 28.00 chs., good on N. 52.00 chs.

East, on a random line bet. secs. 5 and 8.

.40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.88 Intersect N. and S. line, 21 lks. S. of the cor. of secs. 4, 5, 8, and 9.

Thence,

S. $89^{\circ}51'W.$, on a true line bet. secs. 5 and 8.

Asc. abrupt NE. slope 105 ft., over series of broken and nearly perpendicular ledges, 10 to 30 ft. high, bearing NW. and SE., through scattering to medium heavy timber and undergrowth.

6.80 Leave series of ledges, bears NW. and SE.

Chains

- 20.30 Ridge, bears NW. and SE.; desc. 15 ft.
- 27.70 Draw, near head, drains SW.; continue descent of 20 ft. to $\frac{1}{4}$ sec. cor., along SW. slope.
- 39.94 Set an iron post, 3 ft. long, 1 in. diam., 22 ins. in the ground to solid rock, and in a mound of stone, $3\frac{1}{2}$ ft. base, 1 ft. high, for $\frac{1}{4}$ sec. cor., with brass cap marked
- S5
 $\frac{1}{4}$
S8
1940
- from which
- A cedar, 6 ins. diam., bears S. $49^{\circ}30'E.$, 30 lks. dist., mkd. B T.
- A cedar, 8 ins. diam., bears N. $73^{\circ}05'W.$, 88 lks. dist., mkd. $\frac{1}{4}$ S. 5 B T.
- 67.20 Wash, 10 lks. wide, 3 ft. deep, in the bottom of swale, 65 ft. below $\frac{1}{4}$ sec. cor., drains SW.; continue gradual descent of 10 ft. along or near bottom.
- 72.00 Recross same wash, 20 lks. wide, 5 ft. deep, drains from SE. to NW.; leave bottom of swale, begin gradual ascent of 5 ft., over gentle NE. slope or nearly level land to
- 79.88 The cor. of secs. 5, 6, 7, and 8.
- Land, rough, broken, and mountainous, draining NE., E. 20.30 chs.; rolling, draining SW., remainder of mile; granite and red sandstone ledges and outcroppings.
- Soil, shallow red sand and clay, 4th. rate; E. $\frac{1}{2}$ mile; deep red sand and dunes, 1st. to 3rd. rate, W. $\frac{1}{2}$ mile.
- Timber, cedar and pinon pine.
- Undergrowth, black brush and mountain rush.
- Grazing, bunch and sand grass, poor growth on E. $\frac{1}{2}$ mile, good on W. $\frac{1}{2}$ mile.
-
- S. $89^{\circ}39'W.$, on a random line bet. secs. 6 and 7.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 79.58 Intersect the W. bdy. of the Tp., 2 lks. S. of the cor. of secs. 6 and 7, T. 24 S., R. 21 E., which is an iron post, 2 ins. diam., firmly set on surface rock, and surrounded by a mound of stone, $4\frac{1}{2}$ ft. base, $2\frac{1}{2}$ ft. high, and correctly marked and witnessed as described in the official record.
- Thence,
- N. $89^{\circ}40'E.$, on a true line bet. secs. 6 and 7.
- Asc. gradual NW. slope 140 ft., over sandstone domes and surface rock, through sparse timber and undergrowth.
- 34.10 Top of ascent on N. slope; enter scattering timber and undergrowth; desc. gradual NE. slope 5 ft. to $\frac{1}{4}$ sec. cor.

Chains	
5.60	Small wash, course S. 10° E., enter scattered juniper.
9.42	Point for the 1/16 cor. of secs. 1 and 2. Set an iron post, 2½ ins. diam., 30 ins. long, 20 ins. in the ground, and in mound of stone, 2 ft. base to top of post, with brass cap mkd.
	$ \begin{array}{c} 1/16 \\ S\ 2 \mid S\ 1 \\ 8\ 0 \\ 19\ 54 \end{array} $
	from which A juniper, 10 ins., diam., brs. N. 59½° E., 110 lks. dist., mkd. 1/16 S1 30 BT.
12.40	Same wash, course S. 30° W.
15.60	Same wash, course S. 25° E.
29.40	Same wash, course S.
31.70	Leave wash, course S. 15° W., enter sandstone bedrock.
49.42	Point for the ¼ sec. cor. of the secs. 1 and 2. Set an iron post, 1 ins. diam., 30 ins. long, 10 ins. in drillhole and in mound of stone, 4 ft. base to top of post, with brass cap mkd.
	$ \begin{array}{c} 1 \\ S\ 2 \mid S\ 1 \\ 19\ 54 \end{array} $
	from which A juniper, 14 ins., diam., brs. N. 46½° E., 98 lks. dist., mkd. ¼ S1 BT. A juniper, 12 ins., diam., brs. S. 11½° W., 86 lks. dist., mkd. ¼ S2 BT.
	Cor. is located on W. edge of sandstone boulder, 10'x6'x4', at base of sandstone ledge, 8' ft. high, brs. N. 40° E. and S. 40° W.
55.00	Wash, same as above, course SE.
74.40	Wash, 35 lks. wide, 2 ft. deep, course S. 25° W., general changes to SW.
79.10	Same wash, course S. 40° E.
87.22	Point for the witness sec. cor. of the secs. 1, 2, 11 and 12. Set an iron post, 2½ ins. diam., 30 ins. long, over 'X' on sandstone bedrock, and in mound of stone, 5 ft. base to top of post, with brass cap mkd.
	$ \begin{array}{c} T\ 26\ S\ R\ 18\ E \\ S\ 2 \mid S\ 1 \\ S\ 11 \mid S\ 12 \\ W. C. \\ 19\ 54 \end{array} $

SUBDIVISION OF T. 24 S., R. 21 E.

Chains

36.50 Leave sandstone domes and surface rock, bears NW. and SE.

39.58 Set an iron post, 3 ft. long, 1 in. diam., 22 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base, 1 ft. high, for $\frac{1}{4}$ sec. cor., with brass cap marked

S6
 $\frac{1}{4}$ ———
S7
1940

from which

A cedar limb, 6 ins. diam., bears S.0°37'E., 36 lks. dist., mkd. $\frac{1}{4}$ S 7 B T.

A cedar, 10 ins. diam., bears N.8°25'W., 222 lks. dist., mkd. $\frac{1}{4}$ S 6 B T.

48.70 Wash, 50 lks. wide, 6 ft. deep, in the bottom of hollow, 10 ft. below $\frac{1}{4}$ sec. cor., drains from SE. to NW.; gradual ascent of 30 ft.

57.00 Top of ascent on S. slope; gradual descent of 5 ft.

64.40 Same wash as noted at 48.70 chs., 50 lks. wide, 5 ft. deep, in the bottom of hollow, drains SW.; asc. 25 ft.

66.50 Top of ascent, bears NE. and SW.; desc. 20 ft.

70.20 Wash, 50 lks. wide, 4 ft. deep, in the bottom of draw, drains SW.; asc. gradual general NW. slope 35 ft. to

79.58 The cor. of secs. 5, 6, 7, and 8.

Land, rolling, E. 43.10 chs.; rough and broken with gray sandstone domes and surface rock, remainder of mile; general drainage SW.

Soil, deep red sand and red clay, 1st. to 4th. rate, on E. 43.10 chs.; almost entirely sandstone exposed on remainder of mile.

Timber, cedar and pinon pine.

Undergrowth, black brush, mountain rush, oak brush, and service berry bushes.

Grazing, fair to good of bunch and sand grass on rolling land.

N.0°07'W., on a random line bet. secs. 5 and 6.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.00 Set temp. lot cor.

113.15 Intersect the N. bdy. of the Tp., 7 lks. E. of the true point for cor. of secs. 5, 6, 31, and 32 or 22 lks. E. of the witness cor. of said secs., which is an iron post, 2 ins. diam., firmly set and projecting 6 ins. above ground, and correctly marked and witnessed as described in the official record.

Thence, from the true point for cor. of secs. 5, 6, 31, and 32,

S.0°09'E., on a true line bet. secs. 5 and 6.

SUBDIVISION OF T. 24 S., R. 21 E.

Chains

Over gently rolling land, through scattering undergrowth asc. gradually 200 ft., along general NE. slope.

10.60 Wash, 20 lks. wide, 2 ft. deep, drains NE.

25.80 Wash, 30 lks. wide, 3 ft. deep, drains NE.

33.15 At the base of a sandstone ledge, 5 ft. high, facing E.

Set an iron post, 3 ft. long, 1 in. diam., 16 ins. in th ground to solid rock, with a sandstone, 10x8x6 ins., mkd X, deposited at the base, and in a mound of stone, 4 ft. base, $1\frac{1}{2}$ ft. high, for cor. of lots 5 and 12, sec. 5 and lots 8 and 9, sec. 6, with brass cap marked

8.	5
S6	S5
9	12

1940

This lot cor. is located 25 ft. above the true point for cor. of secs. 5, 6, 31, and 32.

Begin more abrupt ascent of 175 ft. over a series of low sandstone ledges facing NE.

53.80 Sandstone ridge, bears NW. and SE.; enter a sparse growth of timber; desc. SW. slope 25 ft. to

73.15 Set an iron post, 3 ft. long, 1 in. diam., over a cross (X) chiseled into surface rock, and in a mound of stone, 5 ft. base, 3 ft. high, for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
S6 S5

1940

There are no available trees suitable for marking.

From this $\frac{1}{4}$ sec. cor., desc. more gradually 20 ft. over nearly level land to

113.15 The cor. of secs. 5, 6, 7, and 8.

Land, rolling, N. 33.15 chs.; rolling and rough mountainous, S. 80.00 chs.; sandstone formation; drainage NE., N. 53.80 chs., SW., S. 59.35 chs.

Soil, shallow and deep red sand, 2nd. and 3rd. rate; surface rock exposed on portions of mile.

Timber, cedar.

Undergrowth, black brush, mountain rush, oak brush, and rabbit brush.

Grazing, poor to good of grama, bunch, and sand grass.

GENERAL DESCRIPTION

This township is located at a general elevation of about 5000 to 5500 feet above sea level, and contains nearly

GENERAL DESCRIPTION

every variety of land from level and gently rolling to steep and rough mountainous. In general, the surface is rough and broken, and sandstone is exposed on the greater portions of nearly all of the sections.

Sandstone domes, buttes, knolls, knobs, pillars, and pinnacles are prominent and conspicuous in many parts of the township. A large series of barren red sandstone spurs, which have the appearance of rows of elephants on the march, are located in the SE $\frac{1}{4}$ SE $\frac{1}{4}$ of section 24. This series of spurs is known as The Elephants. Portions of each of the west half of section 1 and the east half of section 2 comprise part of The Devils Garden. This area is composed of sandstone spurs, pillars, crags, pinnacles, domes, gulches, gorges, and chasms, portions of which are inaccessible. A similar area covers the greater portions of the SW $\frac{1}{4}$ of section 16, SE $\frac{1}{4}$ of section 17, NE $\frac{1}{4}$ of section 20, and the NW $\frac{1}{4}$ of section 21.

Varied colored sandstone is the principal formation; although blue limestone, granite, shale, and volcanic ledges and outcroppings are shown in the northeast sections, more particularly in sections 1, 2, 3, 10, 11, and 12. Several mineralized dykes, which probably carry gold, silver, and other metals, run parallel and near the section lines between sections 1 and 12, 2 and 11, and 3 and 10. There are no surface indications of coal, oil, nor oil shale.

The main divide crosses sections 5, 6, 8, 9, 10, 15, 22, 23, and 24. All the land to the north of the divide drains northeast into Salt Valley Wash, which has an easterly course through sections 5, 4, 3, 10, 11, and 12. To the south of the main ridge, the drainage is southwesterly into Court House Wash, which crosses generally south through sections 30 and 31, thence drains southeasterly.

The soil is principally red sand and sandy loam, being very shallow on the greater part of the township. Red and blue clay and sand dunes are found in places on nearly all of the sections.

Sparse to medium heavy cedar and pinon pine grow on portions of all the sections.

Black brush, mountain rush, oak brush, shadscale, and yellow top is the principal undergrowth, varying from a sparse to a dense growth.

A small stream or seepage of clear alkali water rises and sinks in places along Salt Valley Wash, in sections 3, 10, and 11. A stock watering trough, 100 links long, 3 links wide, 8 inches deep, and which is constructed of galvanized iron and supported by cedar posts and lumber, is located in the SW $\frac{1}{4}$ SE $\frac{1}{4}$ of section 3, in the bottom of Salt Valley Wash. A concrete cistern, 6 feet square, 10 feet deep, water 5 feet deep, is located in the SW $\frac{1}{4}$ SE $\frac{1}{4}$ of section 3, in the bottom of Salt Valley Wash. Willow Spring rises in the NE $\frac{1}{4}$ SW $\frac{1}{4}$ of section 20, and flows a stream of good clear water, $\frac{1}{2}$ link wide, 1 inch deep, into a wooden trough, 1.50 chains in length, 1 foot wide and 1 foot deep. There is no other water in the township.

On account of the sections being broken and rough and the scarcity of water, the land is unsuitable for raising crops, and is only fit for grazing purposes. And the undergrowth and fair to good growth of grama, bunch, and sand grass make this township a good spring, fall, and winter range for sheep, cattle, and horses. The land is being used for this purpose at present, and is controlled by the Division of Grazing.

A wagon and automobile road, known as State Highway No. 93, bears easterly to the Arches National Monument and westerly to U. S. Highway No. 160, through sections 19, 20, 21, 22, 23, and 24. And a wagon road bears southeasterly to the Wolf Ranch in section 7, T. 24 S., R. 22 E. and northwesterly to Thompson, Utah, through sections 5, 4, 3, 10, 11, and 12.

A portion of the west boundary of the Arches National

GENERAL DESCRIPTION

Monument follows along the section lines between sections 32 and 33, 28 and 33, 27 and 28, 22 and 27, 22 and 23, 14 and 23, 13 and 14, 11 and 12, and 1 and 2 to the $\frac{1}{4}$ section corner of sections 1 and 2, thence westerly to the $\frac{1}{4}$ section corner of sections 2 and 3, thence westerly to the $\frac{1}{4}$ section corner of sections 3 and 4, and thence northerly between sections 3 and 4 to the north boundary of the township.

A frame house, 12x9 feet, which was constructed and is owned by the U. S. National Park Service, is located in the NE $\frac{1}{4}$ SW $\frac{1}{4}$ of section 20.

There are no settlers nor any other improvements in the township.

CERTIFICATE OF ~~UNITED STATES~~ SURVEYOR

We, J. C. Clark and Robert C. Yundt, Surveyors, ~~hereby~~ ^{do hereby} certify upon honor the
pursuance of special instructions bearing date of the 3rd. day of July,
received from the district cadastral engineer for Utah, with assign
instructions dated Sept. 28, 1940, have surveyed the Subdivision of Township
and supplemental assignment instructions dated, Oct. 25, 1940,
24 South, Range 21 East

of the Salt Lake Meridian, in the State of Utah, which
represented in the foregoing field notes as having been executed by us and under our direction; and that
survey has been made in strict conformity with said instructions, the Manual of Instructions for the S
of the Public Lands of the United States, and in the specific manner described in the foregoing field not
Salt Lake City, Utah.
Feb. 5, 1941.

J. C. Clark Surveyor
Robert C. Yundt Surveyor

CERTIFICATE OF APPROVAL

OFFICE OF ~~U.S.~~ SUPERVISOR OF SURVEYS,

Denver, Colo., Nov. 23, 1941

The foregoing field notes of the survey of the Subdivision of Township 24 South
Range 21 East

executed by J. C. Clark and Robert C. Yundt, Surveyors
under special instructions dated July 3, 1940, and assign
instructions dated September 28, 1940, having been critically examined,
and supplemental assignment instructions dated, Oct. 25, 1944,
the necessary corrections made prior to their certification by the engineer, the said field notes, and the sur
therein described, are hereby approved.

[Signature]
U.S. Supervisor of Surveys

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in _____
_____ is a true copy of the original field notes on file in the public survey office.

U.S. Supervisor of Surveys

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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

OF THE

DEPENDENT RESURVEY OF PORTIONS OF THE SOUTH BOUNDARY AND SUBDIVISION

OF

T. 24 S., R. 24 E.,

Of the Salt Lake Meridian,

In the State of Utah

EXECUTED BY

Robert C. Yundt, Cadastral Engineer

Under special instructions dated September 22, 1950, which provided
for the surveys included under Group No. 377, approved October 4, 1950
and assignment instructions dated October 12, 1950.

Survey commenced October 26, 1950.

Survey completed November 7, 1950.

INDEX DIAGRAM

Township 24 South, Range 24 East

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					8
20	29	28	27	26	25
				11	6
31	32	33	34	35	36
			4	10	5
				3	1

T. 24 S., R. 24 E.

Chains

The history of township 24 south, range 24 east is as follows.

<u>Part Surveyed</u>	<u>Original Survey By and Date</u>	<u>Resurvey By and Date</u>
N. Boundary	C. F. Moore,	1929
S. Boundary, portion,	F. E. Baxter,	1894; portion J.M.Lentz, 1901
S. Boundary, portion,	J. M. Lentz,	1901
E. Boundary, portion,	F. E. Baxter,	1894; portion, C.F.Moore, 1939
E. Boundary, portion,	C. F. Moore,	1939
W. Boundary,	E. Buettner,	1880; portion, D.B.Clement 1915
Subdivision, portion	F. E. Baxter,	1894

This resurvey was made to formulate a definite plan for the completion survey of T. 24 S., R. 24 E.

Preliminary to the resurvey the lines of the original survey are retraced and search is made for all corners and other calls of the record. Identified corners are remonumented in their original positions, lost corners are reestablished and remonumented at proportionate positions based upon the original record. The retracement data are thoroughly verified and only the true line field notes are given herein.

The resurvey was executed with a light mountain solar transit made by Buff and Buff Co., serial No. 26594, constructed in accordance with the standard specifications of the Bureau of Land Management. The instrument was in good condition, having been placed in satisfactory adjustment prior to the beginning of the survey. The instrument was also tested and checked frequently during the progress of the survey. Measurements were made on the slope with a Lallie steel tape, 8 chains (528 feet) in length, graduated every link for the first 100 links and thereafter at intervals of 10 links. The vertical angle of each measurement was ascertained by a clinometer when necessary. Only the horizontal equivalents of the measurements made are entered in the field note record. The tape was compared to a standard.

The directions of the lines were determined by deflection angles from true meridians determined by observations made upon Polaris during the progress of the work.

The geographic position of the southeast corner of the township as shown on the special instructions for the survey of Group 377, Utah, is as follows:

Latitude 38°40' N.

Longitude 109°13' W.

The mean magnetic declination is 15°15' E.

Dependent Resurvey of the south boundary of T. 24 S., R. 24 E.

Reestablishment of the surveys executed by J. M. Lentz in 1901 and Frank E. Baxter in 1894.

Beginning at the corner of townships 24 and 25 S., Ranges 24 and 25 East, marked by an iron post, 3 ins. in diameter, firmly set in the ground, and conforming to the record:

Thence:

N. 89°57' W. on a dependent resurvey along the south boundary of section 36.

Over rolling land, through widely scattered timber and a scant undergrowth, along an old fence line, with fields to N. and S.

1.30 Wash, drains N.

5.80 Wash, drains N.

12.10 Corner of fences bearing E. and NW.

T. 24 S., R. 24 E.

Chains

13.00 Irrigating ditch, drains N.

28.90 Road, bears N. 10° W. and SE.

39.32 Old mound of stone on line.

39.65 Corner of fence, bearing NE. and W., leave cultivated land.

40.07 The $\frac{1}{4}$ section corner of section 36, marked by a sandstone rock, 16x9x3 ins., firmly set in the ground, marked $\frac{1}{4}$ on the north face and witnessed by a small mound of stone to the north:

At the same point:

Set an iron post, 3 ft. long and 1 in. in diameter, 28 ins. in the ground at the $\frac{1}{4}$ section corner of section 36, with brass cap marked

$\frac{1}{4}$ S36

. 1950

Deposit the original stone alongside the iron post.

Thence: .

N. 89°53' W., beginning new measurement.

7.30 Wash, drains N.

7.60 Fence bears N. and S.

13.95 The closing corner of sections 1 and 2, T. 25 S., R. 24 E., marked by a sandstone rock, 22x12x12 ins., marked with one notch on the east, and five notches on the west edges, firmly set in the ground at the corner of fences bearing N. S. E. and W.

30.00 Wash, drains N.

39.60 Fence bears N. S. and E.

40.01 The corner of sections 35 and 36, marked by a sandstone rock, 16x8x4 ins., firmly set in the ground and marked with one notch on the east and five notches on the west edges, surrounded by a mound of stone:

At the same point:

Set an iron post, 3 ft. long and 2 ins. in diameter, 28 ins. in the ground, with brass cap marked:

T24SR24E
S35 | S36

S2
T25S

1950

Deposit the original stone alongside the iron post.

Land, rolling.

Soil, sandy to gravelly loam, 2nd rate.

Timber, juniper and pinon.

Undergrowth, sagebrush, rabbit brush, yellow top, and grass.

3.3 1950 Dependent Resurvey of the South Boundary of T. 24 S., R. 24 E.

Chains

West, along the south boundary of section 35.

Over rolling land, through scattering timber and a medium dense undergrowth.

.10 Small wash, drains N.

26.60 Wash, drains NE.

40.12 The $\frac{1}{4}$ section corner of section 35, marked by a sandstone rock. 16x10x4 ins., firmly set in the ground, marked $\frac{1}{4}$ on the north face, and witnessed by a mound of stone to the north:

At the same point:

Set an iron post, 3 ft. long and 1 in. in diameter, 28 ins. in the ground, with brass cap marked:

$\frac{1}{4}$ S35

1950

Deposit the original stone alongside the iron post.

Thence:

West, beginning new measurement.

1.00 Wash, drains NE.

13.94 The closing corner of sections 2 and 3, T. 25 S., R. 24 E., marked by a sandstone rock, 24x16x4 ins., firmly set in the ground and marked with two notches on the east and four notches on the west edges, and CC on the north face.

14.10 Wash, drains N.

27.65 Wash, drains N.

33.90 Wash, drains N. 20° E.

40.07 The corner of sections 34 and 35, marked by sandstone rock, 18x15x10 ins., firmly set in the ground and marked with two notches on the east and four notches on the west edges, witnessed by a mound of stone to the north:

At the same point:

Set an iron post, 3 ft. long and 2 ins. in diameter, 30 ins. in the ground, with brass cap marked:

T24SR24E
S34 | S35

S3
T25S

1950

Deposit the original stone alongside the iron post.

Land, low rolling hills.

Soil, sandy to rocky loam, 3rd rate.

Timber, juniper and pinon.

Undergrowth, sagebrush, weeds, and grass.

Dependent Resurvey of the South Boundary of T. 24 S., R. 24 E.

Chains

Station

West, along the south boundary of section 34.

Over rolling land, through scattering timber and a medium dense undergrowth, descend along a NW. slope.

5.40 Wash, drains N. 10° E.

10.00 Wash, drains N.

18.20 Wash, drains NE.

22.50 Enter dense timber, edge bears NW. and SE.

22.90 Wash, drains NW. about 1 chain thence NE.

40.01 The $\frac{1}{4}$ section corner of section 34, marked by a sandstone rock 15x11x3 ins., firmly set in the ground and marked $\frac{1}{4}$ on the north face:

At the same point:

Set an iron post, 3 ft. long and 1 in. in diameter, 18 ins. in ground to solid rock, and in a mound of stone, with brass cap marked:

----- $\frac{1}{4}$ S34

1950

Deposit the original stone alongside the iron post.

Thence:

West, beginning new measurement.

1.60 Wash, drains NE., ascend 65 ft. along a NE. slope.

13.89 The closing corner of sections 3 and 4, T. 25 S., R. 24 E., marked by a cross (X) cut into the sloping N. face of a sandstone boulder showing 4x4x3 ft. above ground. To the east and west of the cross are cut three vertical grooves, and below the cross are the letters CC. From the corner:

A pinon, 8 ins. in diameter, marked S3, bears S. 55°00' E., 48 links distant.

A pinon, 10 ins. in diameter, marked T24S R24E S34 BT, bears N. 65°00' W., 36 links distant.

Ascend 395 ft. along a broken NE. slope.

40.00 The corner of sections 33 and 34, marked by a sandstone rock, 17x9x5 ins., firmly set in the ground and in a mound of stone, and marked with three notches on the east and west edges:

At the same point:

Set an iron post, 3 ft. long and 1 in. in diameter, 28 ins. in ground, and in a mound of stone, with brass cap marked:

T24S R24E
S33 | S34

S4

----- T25S

1950

from wh

Dependent Resurvey of the South Boundary of T. 24 S., R. 24 E.

Chains

A pinon, 8 ins. in diameter, marked T24S R24E S34 BT, bears N. 3°00' E., 10 links distant.

Deposit the original stone alongside the iron post.

Land, rolling in the east and mountainous in the west.

Soil, sandy to rocky loam, 3rd rate.

Timber, juniper and pinon.

Undergrowth, sagebrush, weeds, and grass.

Dependent Resurvey of the Subdivision of
Township 24 South, Range 24 East.

Reestablishment of the Surveys Executed
by Frank E. Baxter in 1894.

Beginning at the corner of sections 35 and 36 on the south boundary of the township:

Thence:

N. 0°03' W. between sections 35 and 36 along West side of fence bearing northerly.

Over gently rolling land, through a medium dense undergrowth;

40.08

Proportionate distance: No trace of the original corner being found:

Set an iron post, 3 ft. long and 1 in. in diameter, 30 ins. in the ground at the restored $\frac{1}{4}$ section corner of sections 35 and 36, with brass cap marked:

$\frac{1}{4}$
 S35 | S36
 1950

The original stone, a sandstone rock, 14x10x8 ins., marked $\frac{1}{4}$ on one face was found in a pile of brush, with no indication of its original position. I deposit the stone alongside the iron post.

53.00

Fence, bears N. and E. about 65 links thence S. continue in fence line.

80.16

The corner of sections 25, 26, 35, and 36, marked by a sandstone rock, 14x12x3 ins., firmly set in the ground at the corner of fences bearing E. and S., and marked with one notch on each of the south and east edges:

At the same point:

Set an iron post, 3 ft. long and 2 ins. in diameter, 27 ins. in the ground, with brass cap marked:

T24SR24E
 S26 | S25
 S35 | S36
 1950

Deposit the original stone alongside the iron post.

Land, nearly level desert.

Soil, sandy to gravelly loam, 2nd rate.

Dependent Resurvey of the Subdivision of T. 24 S., R. 24 E.

Chains

and 30

Timber, juniper.
Undergrowth, sagebrush, weeds, and grass.

Beginning at the corner of sections 25, 30, 31, and 36 on the east boundary of the township, marked by an iron post, 2 ins. in diameter conforming to the record:

Thence:

N. 89°54' W. between sections 25 and 36.

Over gently rolling land, through widely scattered timber and a medium dense undergrowth.

.50 Wash, drains NW.
8.60 Wash, drains N. 20° W.
13.80 Road, bears N. and S.
14.60 Wash, drains N.
19.55 Enter cultivated area, edge bears N. and S.
24.15 Leave cultivated area, edge bears N. and S.
24.60 Fisher Creek, dry, drains N.
26.15 Corner of fences bearing W., S., and N. about 3 chains thence NE.
27.30 Wash, drains N.
31.40 Wash, drains N. 10° E.
33.70 Wash, drains N.
40.14 The $\frac{1}{4}$ section corner of sections 25 and 36, marked by a sandstone rock, 14x10x5 ins., firmly set in the ground and marked $\frac{1}{4}$ on the N face.

At the same point:

Set an iron post, 3 ft. long and 1 in. in diameter, 30 ins. in the ground, with brass cap marked:

S25

$\frac{1}{4}$

S36

1950

Deposit the original stone alongside the iron post.

Thence:

N. 89°56' W., beginning new measurement.

20.90 Wash, drains N.
31.50 Wash, drains N.
41.10 The corner of sections 25, 26, 35, and 36.

Land, gently rolling desert.
Soil, sandy to gravelly loam, 2nd rate.

Dependent Resurvey of the Subdivision of T. 24 S., R. 24 E.

Chains

Timber, juniper.
Undergrowth, sagebrush, weeds, and grass.

N. 0°02' W. between sections 25 and 26.

Over rolling land, through widely scattered timber and a medium dense undergrowth.

26.60 Edge of rolling land, bears NE. and SW., descend 69 ft. along a NW. slope.

28.30 Small draw, drains N. 20° W., ascend along a SW. slope.

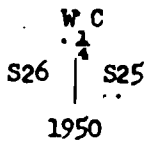
30.50 Spur, projects W., descend along a NW. slope.

33.00 Draw, drains N. from SW.

36.00 Leave draw, drains N. 20° W.

39.44 On top of a clay spur projecting W.:

Set an iron post, 3 ft. long and 1 in. in diameter, 24 ins. in the ground to solid rock, and in a mound of stone, at the witness $\frac{1}{4}$ section corner of sections 25 and 26, with brass cap marked:



Deposit a sandstone rock, 4x4x4 ins., marked with a cross (X) at the base of the post.

39.90 Draw, drain W., ascend 75 ft. over a steep SW. slope.

40.12 Proportionate distance and point for the restored $\frac{1}{4}$ section corner falls upon steep clay slope where the monument cannot be perpetuated. No trace of the original $\frac{1}{4}$ sec. cor. found.

42.00 Clay spur, projects W., descend along a NW. slope.

46.00 Draw, drains W., ascend 325 ft. along a S. slope.

68.60 Road, bears E. and W.

69.00 Spur, projects W., continue along a NW. slope.

71.40 Small draw, drains SW.

73.10 Low spur, projects SW.

74.35 Small draw, drains SW.

80.24 The corner of sections 23, 24, 25, and 26, marked by a sandstone rock, 16x10x3 ins., firmly set in the ground and marked with one groove on the east face and two grooves on the south face, surrounded by a small mound of stone:

At the same point:

Set an iron post, 3 ft. long and 2 ins. in diameter, 18 ins. in the ground to solid rock, and in a mound of stone, with brass cap marked:

Dependent Resurvey of the Subdivision of T. 24 S., R. 24 E.

Chains

T24SR24E	
S23	S24
S26	S25

1950

Deposit the original stone alongside the iron post.

Land, broken slopes on the west edge of the bench in Fisher Valley.
Soil, sandy to rocky clay loam.
Timber, juniper and pinon.
Undergrowth, sagebrush, weeds, and grass.

Beginning at the corner of sections 19, 24, 25, and 30 on the east boundary of the township, marked by an iron post 2 ins. in diameter conforming to the record.

Thence:

N. 89°35' W. between sections 24 and 25.

Over mountainous land, through scattering timber and a medium dense undergrowth.

- 2.00 Top of ledge about 95 ft. high, curving NE. and SE., descend abruptly 605 ft. over a W. slope.
- 8.60 Wash, drains S. 10° E., ascend along a gentle SE. slope.
- 12.50 Wash, drains S. 30° E.
- 15.30 Wash, drains S. 10° E.
- 21.30 Wash, drains SE.

40.19 The $\frac{1}{4}$ section corner of sections 24 and 25, marked by a sandstone rock, 21x11x5 ins., firmly set in the ground and in a mound of stone, and marked $\frac{1}{4}$ on the north face:

At the same point:

Set an iron post, 3 ft. long and 1 in. in diameter, 30 ins. in the ground, with brass cap marked:

S24
$\frac{1}{4}$
S25

1950

Deposit the original stone alongside the iron post.

Thence:

N. 89°54' W., beginning new measurement.

- 33.96 Spur, projects S. from the NW., descend along a SW. slope.
- 40.17 The corner of sections 23, 24, 25, and 26.

Land, rough in the east and nearly level in the west.
Soil, sandy to gravelly clay loam.
Timber, juniper and pinon.
Undergrowth, sagebrush, rabbit brush, weeds, and grass.

Dependent Resurvey of the Subdivision of T. 24 S., R. 24 E.

17

Chains

N. 0°02' E. between sections 23. and 24.

Over rolling land, through scattering timber and a medium dense undergrowth, ascend 65 ft. along a SW. slope.

5.00

Spur, projects SW., descend along a NW. slope.

7.18

Small draw, drains W., ascend along a SW. slope.

14.70

Edge of bench, bears NW. and SE., continue ascent along a general SE. slope.

28.45

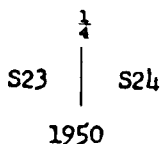
Wash, drains S. 60° E.

39.75

The $\frac{1}{4}$ section corner of sections 23 and 24, marked by a sandstone rock, 11x12x5 ins., firmly set in the ground and in a mound of stone and marked $\frac{1}{4}$ on the west face:

At the same point:

Set an iron post, 3 ft. long and 1 in. in diameter, 24 ins. in the ground to solid rock, and in a mound of stone, with brass cap marked:



Deposit the original stone alongside the iron post.

Thence:

N. 0°04' W., beginning new measurement.

3.60

Wash, drains SE.

34.00

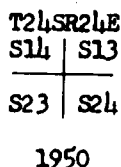
Base of steep ascent bears NE. and SW., ascend 350 ft. along a SE. slope.

39.67

The corner of sections 13, 14, 23, and 24, marked by a sandstone rock, 17x7x6 ins., firmly set in the ground and in a mound of stone, and marked with 3 notches on the south edge and 1 notch on the east edge:

At the same point:

Set an iron post, 3 ft. long and 1 in. in diameter, 24 ins. in the ground to solid rock, and in a mound of stone, with brass cap marked:



Land, nearly level in the south and rough in the north.
Soil, sandy to rocky clay loam.
Timber, juniper and pinon.
Undergrowth, sagebrush, weeds, and grass.

Beginning at the corner of sections 13, 18, 19, and 24 on the east boundary of the township, marked by an iron post, 2 ins. in diameter,

Dependent Resurvey of the Subdivision of T. 24 N. R. 24 E.

Chains	
	conforming to the record.
	Thence:
	S. 89°18' W. between sections 13 and 24.
	Over mountainous land, through scattering timber and a medium dense undergrowth, along a steep S. slope near the base of high ledges to the north.
8.00	Draw, drains SE.
40.35	The $\frac{1}{4}$ section corner of sections 13 and 24, marked by a sandstone rock, 17x15x5 ins., set in a mound of stone, and marked $\frac{1}{4}$ on the N. face:
	At the same point:
	Set an iron post, 3 ft. long and 1 in. in diameter, 12 ins. in the ground to solid rock, and in a mound of stone, with brass cap marked:
	S13
	$\frac{1}{4}$
	S24
	1950
	Deposit the original stone alongside the iron post.

	Thence:
	N. 89°55' W., beginning new measurement.
40.09	The corner of sections 13, 14, 23, and 24.
	Land, rough and broken slopes.
	Soil, rocky clay loam.
	Timber, juniper and pinon.
	Undergrowth, sagebrush, bitter brush, weeds, and grass.

	Beginning at the corner of sections 34 and 35, on the south bound of the township.
	Thence:
	N. 0°01' W. between sections 34 and 35.
	Over rolling land, through scattering timber and a medium dense undergrowth;
12.10	Draw, drains NE.
24.70	Draw, drains NE.
39.97	The $\frac{1}{4}$ section corner of sections 34 and 35, marked by a sandstone rock, 19x9x4 ins., firmly set in the ground and in a mound of stone marked $\frac{1}{4}$ on the west face.
	At the same point:
	Set an iron post, 3 ft. long and 1 in. in diameter, 24 ins. in the ground, and in a mound of stone, with brass cap marked:

Dependent Resurvey of the Subdivision of T. 24 S., R. 24 E.

Chains

4
S34 | S35
1950

Deposit the original stone alongside the iron post.

Thence:

N. 0°01'W., beginning new measurement.

14.00 Enter broken land, edge bears NE. and SW.

27.40 Draw, drains NE., ascend along a SE. slope.

37.50 Spur, projects NE., descend along a NW. slope.

40.06 The corner of sections 26, 27, 34, and 35, marked by a sandstone rock, 20x20x6 ins., firmly set in the ground and in a mound of stone, and marked with 2 notches on the east and one notch on the south edges:

At the same point:

Set an iron post, 3 ft. long and 2 ins. in diameter, 24 ins. in the ground, and in a mound of stone, with brass cap marked:

T24SR24E
S27 | S26
S34 | S35

1950

Deposit the original stone alongside the iron post.

Land, rolling in the south, and broken in the north.

Soil, gravelly clay loam.

Timber, juniper and pinon.

Undergrowth, sagebrush, weeds, and grass.

Beginning at the corner of sections 25, 26, 35, and 36:

Thence:

S. 89°57' W. between sections 26 and 35.

Over nearly level land, through scattering timber and a medium dense undergrowth.

11.30 Wash, drains N.

14.20 Leave level land, descend along a NW. slope.

28.50 Draw, drains N.

40.14 Proportionate distance: Point for the $\frac{1}{4}$ sec. cor. of secs. 26 and 35: No trace of the original corner can be found. Corner not reestablished.

43.00 Draw, drains N. 10° E.

45.50 Spur, projects N. 10° E.

52.40 Wash, drains N. 20° E.

Chains

57.30 Spur, projects N. 20° E.

62.50 Deep wash, drains N. 10° E.

79.10 Spur, projects NE., descend along a NW. slope.

80.28 The corner of sections 26, 27, 34, and 35.

Land, rolling and broken. - - -
Soil, gravelly clay loam.
Timber, juniper and pinon.
Undergrowth, sagebrush, weeds, and grass.

General Description.

The land within the boundaries of this resurvey in T. 24 S., R. 24 E., Salt Lake Meridian, Utah, in most places is gently rolling bench land, some of which is suitable for cultivation. At the time of the resurvey, portions of sections 25 and 36 were being cultivated. The rolling bench and bottom lands in most places are bounded by high steep slopes of rough mountainous land and are suitable only as a grazing range for stock. It is of a sandstone formation and the soil in most places is a deep sandy loam mixed with clay.

On the slopes of the mountainous land, considerable juniper and pinon timber is found which has no commercial value except for firewood and fencing.

The area of the township that comes under this resurvey is known as Fisher Valley and has a drainage outlet both to the east and west. The soil produces good crops by irrigation from water obtained from Fisher Creek. Considerable fencing was found and most parts of the resurveyed area can be reached over unimproved roads found throughout the area.

No indications of mineral were found.

FIELD ASSISTANTS

16-53565-2

CERTIFICATE OF CADASTRAL ENGINEER

I, Robert C. Yundt, Cadastral Engineer, ~~HEREBY CERTIFY~~ upon honor the
pursuance of special instructions bearing date of the 22nd day of September 1950

I have ~~surveyed~~ made a dependent resurvey of portions of the south boundary and
subdivision of T. 24 S., R. 24 E.,

of the Salt Lake Meridian, in the State of Utah, which
represented in the foregoing field notes as having been executed by me and under my direction; and
said survey has been made in strict conformity with said instructions, the Manual of Instructions for
Survey of the Public Lands of the United States, and in the specific manner described in the foregoing
field notes.

Salt Lake City, Utah

June 7, 1951

Robert C. Yundt

Robert C. Yundt
Cadastral Engineer

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., AUG 26 1952, 19

The foregoing field notes of the ~~survey of~~ dependent resurvey of portions of the south
boundary and subdivision of T. 24 S., R. 24 E., Salt Lake Meridian, Utah,

executed by Robert C. Yundt, Cadastral Engineer

having been critically examined and found correct, are hereby approved.

James B. Cameron
James B. Cameron
Chief, Division of Cadastral Engineering

CERTIFICATE OF TRANSCRIPT

I ~~CERTIFY~~ that the foregoing transcript of the field notes of the above-described surveys in

, is a true copy of the original field notes.

Chief, Division of Cadastral Engineering

RECEIVED

MAR 3 - 1933

Department Of The Interior

Public Survey Office

Salt Lake City, Utah

BOOK "B"
FIELD NOTES

OF THE SURVEY OF THE

5TH STANDARD PARALLEL SOUTH

THROUGH

RANGES 17, 18, AND 19 EAST.

Of the SALT LAKE Meridian,

In the State of UTAH

EXECUTED BY

Chas. F. Moore, Surveyor

In the capacity of H-S-Surveyor..., under Special Instructions dated August 31, 1928, issued by the District Cadastral Engineer to govern surveys included in Group No. 212, which were approved by the Commissioner of the General Land Office, September 13, 1928, and Assignment Instructions dated Oct. 13, 1928

Survey commenced October 25, 1928

Survey completed November 13, 1928

INDEX DIAGRAM.

Township 25 South....., Range 19 East.....

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36
7	6	5	4	3	1

U. S. GOVERNMENT PRINTING OFFICE 6-151

15	13	R. 18 E.	12	11	9	8
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R. 17 E.

19	17	16
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19E - 2151
18E - 2150
17E - 1910

FIFTH STANDARD PARELLEL SOUTH, ALONG THE SOUTH BOUNDARY OF
T. 25 S., R. 19 E.

Survey commenced October 25, 1928, and was executed with Young and Sons light mountain transit, No. 8517; the instrument is equipped with full vertical circle and the Smith solar attachment. The instrument was in good condition, and having been placed in satisfactory adjustment prior to beginning the survey, and tested and found free from appreciable error, was approved by the district cadastral engineer on October 13, 1928.

As the line to be established runs over a country that has a scattering growth of timber and undergrowth, the tangent method was selected; the controlling meridian was established by observations upon Polaris, as shown in the field notes; the bearing of the tangent was deflected from the meridian by repetition of angles and was carried forward by transit line, taking the mean of direct and reversed sights at each instrument station, and removing all obstructing timber.

The measurements were made with two eight chain steel tapes; each tape is graduated every link for the first 100 lks. and thereafter at intervals of 10 lks. The tapes were tested by comparison with a Lufkin standard tape and found correct. Both sets of measurements were made on the slope; the vertical angles were determined by clinometers in good adjustment; the field notes show the horizontal equivalents.

October 25, 1928, at the standard corner of T. 25 S., Rs. 19 and 20 E., in latitude $38^{\circ}35'N.$, longitude $109^{\circ}46'W.$, as shown in the data furnished with the special instructions, I made a series of three observations for the determination and verification of latitude and azimuth, to be employed on the survey, as follows:

October 25, 1928, at 5h 23m p.m. l.m.t., I observe Polaris at eastern elongation, making three sights each with the telescope in direct and reversed positions, and place a tack at the mean point on a peg driven firmly in the ground 10 chs. north. October 26, at 7 a.m. l.m.t. I lay off the azimuth of Polaris, $1^{\circ}22'30''$ to the west of the mean point in the line determined by observations and make a meridian mark on a second peg.

In order to verify the latitude of this station, I make a meridian observation of the sun, first setting on the lower limb and noting the transit of the west limb, then after reversal of the instrument setting on the upper limb and noting the transit of the east limb as follows: Oct. 26,

Mean observed altitude----- $38^{\circ}52'30''$
Reduced latitude----- $38^{\circ}35'N$

Turning from the mean point in the line determined by the Polaris observation, I set a flag on the tangent; the multiple angle of the four repetitions reads $365^{\circ}30'30''$, which indicates an angle of $91^{\circ}22'37\frac{1}{2}''$.

Beginning at the standard cor. of T. 25 S., Rs. 19 and 20 E., which is an iron post, 3 ins. diam., firmly set properly mkd. and witnessed as described in the official record.

West, with the establishment of the fifth standard parallel south, along the S. bdy. of sec. 36, T. 25 S., R. 19 E.

Over broken bench land through scattering timber and undergrowth. Ascend 130 ft. along N. slope to

- | | |
|-------|---|
| 7.80 | Top of spur, slopes N. Descend 180 ft. to |
| 15.30 | Bottom of canyon, course NE. Ascend 380 ft. over NE. slope to $\frac{1}{4}$ sec. cor. |
| 31.20 | Trail, bears NE. to Moab and SW. to Green River. |

Chains
31.20

Top of low ridge, bears NE. and SW.

Diff. bet. meas. of 40.00 chs., by two sets of chainmen,
is 2 lks.; position of middle point-

By 1st set, 40.01 chs.

By 2nd set 39.99 chs.; the mean of which is

40.00

On the tangent

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in
the ground, for the standard $\frac{1}{4}$ sec. cor., with brass cap
mkd.
$$\begin{array}{c} \text{SC} \\ \frac{1}{4} \text{ S } 36 \end{array}$$

1928

from which

A pinon, 6 ins. diam., bears N.25°15'E., 29 lks.
dist., mkd. $\frac{1}{4}$ S 36 S C BT.A juniper, 3 ins. diam., bears N.48°45'W., 47 lks.
dist., mkd. $\frac{1}{4}$ S 36 S C BT.

Descend 5 ft. to

50.50

Draw, course NE. Ascend 20 ft. to

57.90

Top of ridge, bears NE. and SW. Descend 15 ft. to

Diff. bet. meas. of 80.00 chs., by two sets of chainmen,
is 2 lks.; position of middle point-

By 1st set, 80.01 chs.

By 2nd set, 79.99 chs.; the mean of which is

80.00

N. 1 lk. from tangent,

Set an iron post, 3 ft. long, 2 ins. diam., 14 ins. in
the ground to solid rock, and surrounded by mound of
stone to the top, for the standard corner of secs. 35
and 36, with brass cap mkd.
$$\begin{array}{c} \text{S C} \\ \text{T25S R19E} \\ \text{S35 S36} \end{array}$$

1928

from which

A pinon, 10 ins. diam., bears N.27°45'E., 74 lks.
dist., mkd. T 25 S R 19 E S 36 S C B T.A juniper, 3 ins. diam., bears N.25°45'W., 85 lks.
dist., mkd. B T.

Land, broken bench.

Soil, loose sandy loam, with sandstone surface rock; 3rd
rate.

Timber, juniper and pinon.

Undergrowth, sagebrush and black brush.

Fair grazing.

	West, along S. bdy. of sec. 35, on a transit line describing the tangent, which bears S.89°59.3'W.						
	Over broken bench land, through scattering timber and undergrowth. Ascend 250 ft. to top of divide.						
4.70	Spur, slopes N.						
7.80	Draw, course NE.						
	Diff. bet. meas. of 40.00 chs., by two set of chainmen, is 4 lks.; position of middle point-						
	By 1st set, 40.02 chs.						
	By 2nd set, 39.98 chs.; the mean of which is						
40.00	N. 2lks. from tangent,						
	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the standard $\frac{1}{4}$ sec. cor., with brass cap mkd.						
	<div style="text-align: center;"> S C $\frac{1}{4}$ S 35 <hr/> 1928 </div>						
	from which						
	A pinon, 6 ins. diam., bears N.59°45'E., 120 lks. dist., mkd. $\frac{1}{4}$ S 35 S C B T.						
	A pinon, 5 ins. diam., bears N.70°30'W., 51 lks. dist., mkd. $\frac{1}{4}$ S 35 S C B T.						
41.30	Top of divide bet. the Green and the Colorado Rivers, bears N. and S. Descend 145 ft. over broken hill slope to						
	Diff. bet. meas. of 80.00 chs. by two set of chainmen, is nothing;						
80.00	N.3 lks. from tangent						
	Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for the standard cor. of secs. 34 and 35, with brass cap mkd.						
	<div style="text-align: center;"> <table> <tr> <td>S C</td><td></td></tr> <tr> <td>T25S</td><td>R19E</td></tr> <tr> <td>S34</td><td>S35</td></tr> </table> <hr/> 1928 </div>	S C		T25S	R19E	S34	S35
S C							
T25S	R19E						
S34	S35						
	from which						
	A pinon, 14 ins. diam., bears N.19°15'E., 41 lks. dist., mkd. T 25 S R 19 E S 35 S C B T.						
	A pinon, 10 ins. diam., bears N.41°15'W., 110 lks. dist., mkd. T 25 S R 19 E S 34 S C B T.						
	Land, broken bench.						
	Soil, loose sandy loam, with sandstone surface rock; 3rd rate.						
	Timber, juniper and pinon.						
	Undergrowth, sagebrush and black brush.						
	Fair grazing.						

Chains	West, along S. bdy. of sec. 34, on transit line, describing the tangent, which bears S. 89° 58' 51" W., 100'.
	Over broken bench land, through scattering timber and undergrowth. Descend 105 ft. to $\frac{1}{4}$ sec. cor.
8.60	Ungraded road, bears NE. and SW.
19.70	Draw, course NW.
28.90	Top of low ridge, bears NE. and SW.
	Diff. bet. meas. by two set of chainmen, is nothing;
40.00	N. 5 lks. from tangent,
	Set an iron post, 3 ft. long, 1 in. diam., 14 ins. in the ground to solid rock and surrounded by mound of stone to the top, for the standard $\frac{1}{4}$ sec. cor., with brass cap mkd.
	<div style="text-align: center;"> S C $\frac{1}{4}$ S 34 1928 </div>
	from which
	A pinon, 3 ins. diam., bears N. 36° 00' E., 69 lks. dist., mkd. B T.
	A pinon, 14 ins. diam., bears N. 27° 00' W., 62 lks. dist., mkd. $\frac{1}{4}$ S 34 S C B T.
	Descend 40 ft. to
51.10	Small draw, course SW. Ascend 30 ft. to
58.80	Top of ridge, bears NE. and SW. Descend 40 ft. to sec. cor.
71.70	Low ridge, bears NE. and SW.
	Diff. bet. meas. of 80.00 chs. by two sets of chainmen, is 2 lks.; position of middle point
	By 1st set, 80.01 chs.
	By 2nd set, 79.99 chs.; the mean of which is
80.00	N. 7 lks. from the tangent,
	Set an iron post, 3 ft. long, 2 ins. diam., 10 ins. in the ground, to solid rock and surrounded by mound of stone to the top, for the standard cor. of secs. 33 and 34, with brass cap mkd.
	<div style="text-align: center;"> S C T25S R19E. S33 S34 1928 </div>
	from which
	A pinon, 6 ins. diam., bears N. 28° 00' E., 95 lks. dist., mkd. T 25 S R 19 E S 34 S C B T.
	A pinon, 8 ins. diam., bears N. 84° 00' W., 180 lks. dist., mkd. T 25 S R 19 E S 33 S C B T.
	Land, broken bench.
	Soil, loose sandy loam with sandstone surface rock; 3rd rate.

5TH. STAND. PAR. S., S. BDY. OF T.25 S., R. 19 E.

Chains	Timber, juniper and pinon. Undergrowth, sagebrush and black brush. Fair grazing.
	West, along the S. bdy. of sec. 33, on transit line, describing the tangent, which bears S.89°57.9'W. Over broken bench land, through scattering undergrowth. Descend 15 ft. over SW. slope to
4.90	Small draw, course SW. Ascend 15 ft. to
13.30	Top of low ridge, bears NE. and SW. Descend 95 ft. to bottom of draw.
38.90	Bottom of draw, course SW. Diff. bet. meas. by two sets of chainmen, is 4 lks.; position of middle point - By 1st set, 80.02 chs. By 2nd set, 79.98 chs.; the mean of which is
40.00	N.10 lks. from tangent Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the standard $\frac{1}{4}$ sec. cor., with brass cap mkd. <div style="text-align: center;">$\begin{array}{r} S\ C \\ \frac{1}{4}\ S\ 33 \\ \hline 1928 \end{array}$</div> <div style="text-align: right;">from which</div> <div style="margin-left: 40px;">A juniper, 6 ins. diam., bears N.14°00'E., 167 lks. dist., mkd. $\frac{1}{4}$ S 33 S C B T. A pinon, 8 ins. diam., bears N.39°30'W., 192 lks. dist., mkd. $\frac{1}{4}$ S 33 S C B T.</div>
	Ascend 15 ft. to
42.60	Top of rocky spur, slopes S. Continue ascent of 40 ft. to
76.10	Top of ridge, bears NE. and SW. Descend 25 ft. to Diff. bet. meas. by two sets of chainmen, is 2 lks.; position of middle point - By 1st set, 80.01 chs. By 2nd set, 79.99 chs.; the mean of which is
80.00	N. 13 lks. from the tangent, Set an iron post, 3 ft. long, 2 ins. diam., over X cut in solid surface rock, and surrounded by mound of stone to the top, for the standard cor. of secs. 32 and 33, with brass cap mkd. <div style="text-align: center;">$\begin{array}{r} S\ C \\ T25S\ R19E \\ \hline S32\ S33 \\ \hline 1928 \end{array}$</div> <div style="text-align: right;">from which</div> <div style="margin-left: 40px;">A pinon, 5 ins. diam., bears N.45°45'E., 77 lks. dist., mkd. T 25 S R 19 E S 33 S C B T.</div>

5TH. STAND PAR. S., S. BDY. OF T.25 S., R. 19 E.

Chains	<p>A pinon, 6 ins. diam., bears N.59°30'W., 118 lks. dist., mkd. T 25 S R 19 E S 32 S C B T.</p> <p>Land, broken bench.</p> <p>Soil, loose sandy loam, with sandstone surface rock; 3rd rate.</p> <p>Timber, juniper and pinon.</p> <p>Undergrowth, sagebrush and black brush.</p> <p>Fair grazing.</p>
	<p>West, along the S. bdy. of sec. 32, on transit line describing the tangent, which bears S.89°57.2'W.</p> <p>Over broken bench land, through scattering timber and undergrowth. Descend 45 ft. over S.W. slope to</p>
13.10	Small draw, course S.W. Ascend 10 ft. to
19.90	Top of ridge, bears NE. and S.W. Descend 20 ft. to bottom of draw.
	<p>Diff. bet. meas. of 40 chs. by two sets of chainmen, is 2 lks.; position of middle point-</p> <p>By 1st set, 40.01 chs.</p> <p>By 2nd set, 39.99 chs., the mean of which is</p>
40.00	<p>N. 16.5 lks. from tangent</p> <p>Set an iron post, 3 ft. long, 1 in. diam., 14 ins. in the ground to solid rock, and surrounded by mound of stone to the top, for the standard $\frac{1}{4}$ sec. cor., with brass cap mkd.</p> <div style="text-align: center;"> $\begin{array}{r} S\ C \\ \frac{1}{4} S\ 32 \\ \hline 1928 \end{array}$ </div> <p>from which</p> <p>A juniper, 10 ins. diam., bears N.26°00'E., 44 lks. dist. mkd. $\frac{1}{4}$ S 32 S C B T.</p> <p>A juniper, 8 ins. diam., bears N.66°45'W., 118 lks. dist., mkd. $\frac{1}{4}$ S 32 S C B T.</p>
41.40	Bottom of small draw, course S.W. Ascend 25 ft. to
48.00	Top of ridge, bears NE. and S.W. Descend 15 ft. to
59.00	Bottom of draw, course S.W. Ascend 30 ft. to
77.00	Top of ridge, bears NE. and S.W. Descend 10 ft. to
	<p>Diff. bet. meas., of 80.00 chs. by two sets of chainmen is nothing;</p>
80.00	<p>N. 20 lks. from tangent</p> <p>Set an iron post, 3 ft. long, 2 in. diam., 10 ins. in the ground, to solid rock and surrounded by mound of stone to the top, for the standard corner of secs. 31 and 32, with brass cap mkd.</p>

Chains	S C T25S R19E S31 S32
X row 10	1928
	<p>from which</p> <p>A pinon, 6 ins. diam., bears N.18°15'E., 73 lks. dist., mkd. T. 25 S R 19 E S 32 S C B T.</p> <p>A pinon, 8 ins. diam., bears N.28°15'W., 243 lks. dist., mkd. T 25 S R 19 E S 31 S C B T.</p> <p>Land, broken bench.</p> <p>Soil, loose sandy loam, with sandstone surface rock; 3rd rate.</p> <p>Timber, juniper and pinon.</p> <p>Undergrowth, sagebrush and black brush..</p> <p>Fair grazing.</p>
<p>14.90</p> <p>33.30</p> <p>40.00</p> <p>68.30</p> <p>74.30</p> <p>80.00</p>	<p>West, along the S. bdy. of sec. 31, on transit line describing the tangent, which bears S.89°50.5'W.</p> <p>Over broken bench land, through scattering timber and undergrowth. Descend 45 ft. over SW. slope, to Small draw, course SW. Ascend 15 ft. to</p> <p>Top of ridge, bears NE. and SW. Descend 25 ft. to</p> <p>Diff. bet. meas. of 40 chs., by two sets of chainmen, is nothing;</p> <p>N. 24.5 lks. from the tangent</p> <p>Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground, to solid rock and surrounded by mound of stone to the top, for the standard $\frac{1}{4}$ sec. cor., with brass cap mkd.</p> <p style="text-align: center;">S C $\frac{1}{4}$ S 31 1928</p> <p>from which</p> <p>A juniper, 3 ins. diam., bears N.66°15'E., 112 lks. dist., mkd. S T.</p> <p>A juniper, 6 ins. diam., bears N.56°00'W., 177 lks. dist., mkd. $\frac{1}{4}$ S 31 S C B T.</p> <p>Descend 80 ft. to</p> <p>Bottom of draw, course SW. Ascend 10 ft. to</p> <p>Spur, slopes S. Descend 20 ft. to</p> <p>Diff. bet. meas. of 80.00 chs., by two sets of chainmen, 2 lks.; position of middle point</p> <p style="padding-left: 40px;">By 1st set, 80.01 chs.</p> <p style="padding-left: 40px;">By 2nd set, 79.99 chs.; the mean of which is</p> <p>N. 28.5 lks. from tangent</p>

Chains

True point for the standard cor. of T. 25 S., Rs. 18 and 19 E., falls on sloping boulder where it is impracticable to set corner. Therefore at a point S. 10 lks. dist. from true point

Set an iron post, 3 ft. long, 3 ins. in diam., over X cut in solid surface rock, and surrounded by mound of stone to the top, for the witness standard corner of T. 25 S., Rs. 18 and 19 E., with brass cap mkd.

WC	
S C	
T25S	
R18E	R19E
S36	S31

1928

from which

A juniper, 3 ins. diam., bears N.40°30'E., 82 lks. dist., mkd. B T.

A juniper, 3 ins. diam., bears N.55°30'W., 78 lks. dist., mkd. B T.

Lend, broken bench.

Soil, loose sandy loam with sandstone surface rock; 3rd rate.

Timber, juniper and pinon.

Undergrowth, sagebrush and black brush.

Fair grazing.

Nov. 3, 1928: At this point, in order to verify the alinement of the tangent, I observe Polaris at eastern elongation as follows:

At 4h 47m p.m. l.m.t., I observe Polaris at eastern elongation, making three sights each with the telescope in direct and reversed positions, and place a tack at the mean point on a peg driven firmly in the ground 10 chs. north. Nov. 4, at 7h a.m. l.m.t., I lay off the azimuth of Polaris, 1°22'30" to the west of the mean point in the line determined by observations and make mark on a second peg. Turning from the mean point in the line determined by the Polaris observations to flag set on the tangent to the east; the multiple angle of the four repetitions reads 354°12', which indicates an angle of 89°55.8'. As the theoretical bearing of the tangent at this point is S.89°55.8'W., the observation indicates that the line has been carried forward acceptably.

Fifth standard parallel south, along the south boundary of T. 25 S., R. 18 E.

From the true point for the standard corner of T. 25 S., Rs. 18 and 19 E., which is in the meridian determined by Polaris observations, I set flag on the tangent; the multiple angle of the four repetitions reads 360°00', which indicates an angle of 90°.

West, with the establishment of the fifth standard parallel south, along the south boundary of sec. 36, T. 25 S., R. 18 E.

5TH STAND. PAR. S., S. BDY. OF T.25 S., R. 18 E.

Chains

Over broken bench land, through scattering timber and undergrowth. Ascend 65 ft. over general S.E. slope to Diff. bet. meas. of 40.00 chs., by two sets of chainmen, is 2 lks., position of middle point-
By 1st set, 40.01 chs.
By 2nd set, 39.99 chs. the mean of which is

40.00

On the tangent

Set an iron post, 3 ft. long, 1 in. diam., 5 ins. in the ground to solid rock and surrounded by mound of stone to the top, for the standard $\frac{1}{4}$ sec. cor., with brass cap, mkd.

S C
 $\frac{1}{4}$ S 36

1928

from which

A juniper, 3 ins. diam., bears N.12°30'E., 212 lks. dist., mkd. $\frac{1}{4}$ S 36 S C B T.

A juniper, 3 ins. diam., bears N. 35°45'W., 417 lks. dist., mkd. $\frac{1}{4}$ S 36 S C B T.

Gradual descent of 15 ft. to sec. cor.

46.90

Draw, course S.

Diff. bet. meas. of 80.00 chs. by two set of chainmen, is nothing

80.00

N. 1 lk. from the tangent

Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for the standard cor. of secs. 35 and 36, with brass cap, mkd.

S C
T25S R18E
S35 S36

1928

from which

A juniper, 8 ins. diam., bears N.7°45'E., 220 lks. dist., mkd. T 25 S R 18 E S 36 S C B T.

A juniper, 7 ins. diam., bears N.73°30'W., 290 lks. dist., mkd. T 25 S R 18 E S 35 S C B T.

Land, broken bench.

Soil, loose sandy loam; with sandstone surface rock; 3rd rate.

Timber, juniper and pinon.

Undergrowth, sagebrush and black brush.

Fair grazing.

West, along S. bdy. of sec. 35, on transit line describing the tangent, which bears S.89°59.3'W.

Over broken bench land, through scattering timber and undergrowth.

Chains

4.80

Foot of sandstone rim, bears NE. and SW. Commence abrupt ascent of 185 ft. to

9.10

Top of sandstone rim, bears NE. and SW. Descend 80 ft.

Diff. bet. meas. of 40.00 chs. by two sets of chainmen is 4 lks., position of middle point-

By 1st set, 40.02 chs.

By 2nd set, 39.98 chs.; the mean of which is

40.00

N. 2 lks. from the tangent

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the standard $\frac{1}{4}$ sec. cor., with brass cap mkd.

S	C
$\frac{1}{4}$ S	35

1928

from which

A juniper, 3 ins. diam., bears N.37°00'E., 113 lks. dist., mkd. $\frac{1}{4}$ S 35 S C B T.A pinon, 6 ins. diam., bears N.11°15'W., 288 lks. dist., mkd. $\frac{1}{4}$ S 35 S C B T.

Ascend 55 ft. to

48.00

Sand knoll, on top of spur, slopes SW. Descend broken S. slope, 240 ft. to sec. cor.

58.10

Top of sandstone rim, bears NE. and SW.

59.30

Foot of sandstone rim, bears NE. and SW. Continue descent over nearly level land.

Diff. bet. meas. of 80.00 chs. by two sets of chainmen is 4 lks., position of middle point-

By 1st set, 80.02 chs.

By 2nd set, 79.98 chs., the mean of which is

80.00

N. 3 lks. from the tangent

Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for the standard cor. of secs. 34 and 35, with brass cap mkd.

S	C
T25S	R18E
S34	S35

1928

from which

A juniper, 3 ins. diam., bears N.66°00'E., 89 lks. dist., mkd. T 25 S R 18 E S 35 S C B T.

A pinon, 3 ins. diam., bears N.58°15'W., 148 lks. dist., mkd. B T.

Land, broken bench.

Soil, loose sandy loam with sandstone surface rock; 3rd rate.

Timber, juniper and pinon.

Undergrowth, sagebrush and black brush.

5TH..STAND. PAR..S., S. BDY..OF T.25 S., R. 18 E.

Chains Fair grazing.

West, along the S. bdy. of sec. 34, on transit line describing the tangent, which bears S.89°58.6'W.

Over broken bench land, through scattering timber and undergrowth. Descend 40 ft. over nearly level land to 1/4 sec. cor.

8.80 Smell draw, course S.

Diff. bet. meas. of 40.00 chs. by two sets of chainmen, is 2 lks.; position of the middle point-

By 1st set, 40.01 chs.

By 2nd set, 39.99 chs. the mean of which is

40.00 N. 5 lks. from the tangent

Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground, to solid rock and surrounded by mound of stone to the top, for the standard 1/4 sec. cor., with brass cap mkd.

S C
S 74

1928

from which

A juniper, 6 ins. diam., bears N.58°45'E., 174 lks. dist., mkd. S 34 S C 8 T.

A juniper, 3 ins. diam., bears N.19°45'E., 340 lks. dist., mkd. 8 T.

Thence gradual ascent over S. slope of 90 ft. to sec. cor.

Diff. bet. meas. of 79.45 chs., by two sets of chainmen, is nothing.

79.45 N. 7 lks. from the tangent

Set an iron post, 3 ft. long, 2 ins. in diam., 10 ins. in the ground to solid rock and surrounded by mound of stone to the top, for the witness standard cor. of secs. 33 and 34, with brass cap mkd.

S C
T25S R18E
S33 S34

1928

from which

A juniper, 3 ins. diam., bears N.65°00'E., 249 lks. dist., mkd. 8 T.

No other suitable accessories available.

80.00 True point for the standard cor. of secs. 33 and 34, falls on sloping sandstone where it is impracticable to set corner.

Land, broken bench.

Soil, loose sandy loam with sandstone surface rock; 3rd rate.

Timber, juniper and pinon.

Chains	Undergrowth, sagebrush and black brush.
	Fair grazing.
	West, along the S. bdy. of sec. 33, on transit line describing the tangent, which bears S.89°57.9'W.
	Over broken bench land through scattering undergrowth and timber. Ascend 140 ft. to top of spur.
3.80	Top of sandstone rim, bears NE. and SW.
12.00	Top of sandstone spur, slopes S. Descend 230 ft. to bottom.
13.90	Top of sandstone rim, 130 ft. high, bears NE. and SW.
15.90	Foot of rim, bears NE. and S. Thence across almost level land.
	Diff. bet. meas. of 40.00 chs., by two set of chainmen is nothing
40.00	N. 10 lks. from the tangent
	Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground, for the standard $\frac{1}{4}$ sec. cor., with brass cap mkd.
	<div style="text-align: center;"> S C $\frac{1}{4}$ S 33 <hr/> 1928 </div>
	from which
	A juniper, 6 ins. diam., bears N.65°00'E., 117 lks. dist., mkd. $\frac{1}{4}$ S 33 S C B T.
	A juniper, 8 ins. diam., bears N.58°30'W., 150 lks. dist., mkd. $\frac{1}{4}$ S 33 S C B T.
	Continue gradual descent.
62.88	Bottom of small draw, course NW. Continue descent of 75 ft. to
68.00	Bottom of same draw, course SW. Ascend 25 ft. to
68.60	Top of small spur, slopes S. Descend 15 ft. to
	Diff. bet. meas. of 76.95 chs., by two set of chainmen is 2 lks.,; position of middle point-
	By 1st set, 76.96 chs.
	By 2nd set, 76.94 chs., the mean of which is
76.95	N. 13 lks. from tangent
	Set an iron post, 3 ft. long, 2 ins. diam., over X cut in solid surface rock, and surrounded by mound of stone to the top for the witness standard cor. of secs. 32 and 33, with brass cap mkd.
	<div style="text-align: center;"> S C WC T25S R18E S32 S33 <hr/> 1928 </div>
	from which

Chains

A juniper, 6 ins. diam., bears N.38°00'E., 83 lks.
dist., mkd. W C T 25 S R 18 E S 33 S C B T.

A juniper, 3 ins. diam., bears N.8°45'W., 289 lks.
dist., mkd. B T.

77.20 Left rim of Hell Roaring Canyon, approximately 500 ft.
high, bears NE. and SW.

80.00 True point for the standard corner of secs. 32 and 33
falls on the inaccessible wall of canyon where it is
impracticable to set corner.

Land, broken bench.

Soil, loose sandy loam with sandstone surface rock:
3rd rate.

Timber, juniper and pinon.

Undergrowth, sagebrush and black brush.

Fair grazing.

West, along S. bdy. of sec. 32, on transit line describ-
ing the tangent, which bears S.89°57.2'W.

From a point on the tangent which is S. 13 lks. from
the witness standard corner of secs. 32 and 33, which is
3.05 chs. E. of the true point for the standard cor.
of secs. 32 and 33.

The line to the west crosses Hell Roaring Canyon with
precipitous slopes and vertical rims of sandstone, over
which chaining is impracticable. Therefore to determine
the distance across the canyon and to the standard $\frac{1}{2}$ sec.
cor. in the canyon, I triangulate as follows:

Erect flag "A" at this point. Set flags "B", "C" and "D"
on line to the west. Also set flag "F", south from flag
"A"; and flag "E" southwesterly from flag "A". From
flag "C" set flag "G" northeasterly.

The mean distance of the base line "AF" is 10.569 chs.,
by two sets of chainmen

By 1st set, 10.57 chs.

By 2nd set, 10.568 chs.

The mean distance of base line "DE" is 11.298 chs., by
two sets of chainmen

By 1st set, 11.299 chs.

By 2nd set, 11.297 chs.

The mean distance of base line "CG" is 6.199 chs., by
two sets of chainmen

By 1st set, 6.20 chs.

By 2nd set, 6.198 chs.

These were the longest practicable base lines available.

The angles were determined by three repetitions with the
error balanced to 180°

Angle at "A", subtended by flags "D" and "F" is
90°00'

Angle at "A", subtended by flags "D" and "E"
is 5°53'30".

Angle at "B" is 9°20'.

Angle at "C" is 58°16'.

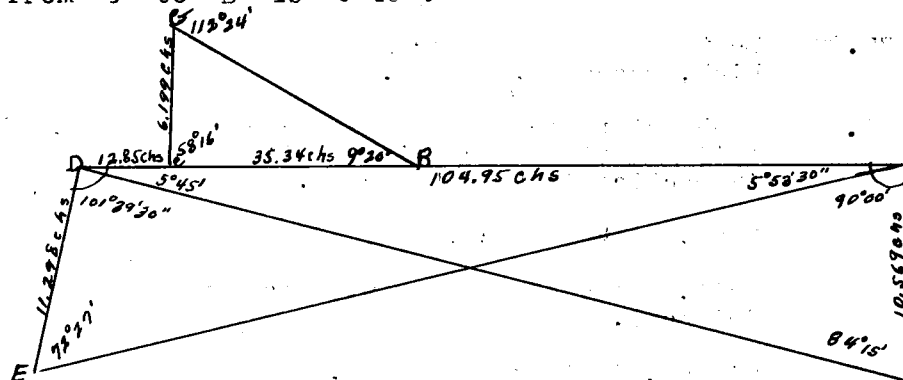
Angle at "D", subtended by flags "A" and "E"
is 101°39'30".

Angle at "D", subtended by flags "A" and "F"
is 5°45'.

Chains

Angle at "E" is $72^{\circ}27'$.Angle at "F" is $84^{\circ}15'$.Angle at "G" is $112^{\circ}24'$.

Vertical angle from "A" to "D" is -2° ; vertical angle from "C" to "B" is $-9^{\circ}45'$.



Mean dist. by tri. from "A" to "D"-----104.95
 Dist. wit. cor. is east of true cor. point----- 3.05
 Total dist. on line from true cor. pt. to "D"--- 101.90
 Return meas. by two sets of chainmen,
 with no diff. in meas.----- 12.85
 Total dist. on line from true cor. pt. to "C"--- 89.05
 Dist. by tri. from "C" to "B"----- 35.34
 Total dist. on line from true cor. pt. to "B"--- 53.71
 Return meas. by two set of chainmen, with
 no diff. in meas.----- 13.71
 Total dist. on line from true cor. pt.----- 40.00

40.00

N. 16.5 lks. from tangent

Set an iron post, 3 ft. long, 1 in. diam., over X cut in solid surface rock, and surrounded by mound of stone to the top, for the standard $\frac{1}{4}$ sec. cor., with brass cap mkd.

S C
 $\frac{1}{4}$ S 32

1928

No other suitable accessories available.

53.71

Point "B" of triangulation. Top of small spur, slopes

65.00

Bottom of Hell Roaring Canyon, wash in bottom, 20 ft. and 5 ft deep, course S $\frac{1}{2}$ W.

80.00

True point for the standard corner of secs. 31 and 32, falls on inaccessible sandstone rims, where it is impracticable to set cor.

Land, rough and broken. Soil, loose sandy loam and sandstone surface rock; 3rd rate.

Timber, very scattering juniper and pinon.

Undergrowth, sagebrush and black brush.

Fair grazing in canyon bottom.

- Chains** West, along the S. bdy. of sec. 31, on a transit line describing the tangent, which bears S.89°55.5'W.
- Over rough broken canyon slope.
- 9.05** Point "C" of triangulation as recorded on line along S. bdy. of sec. 32. Top of sandstone rim, approx. 400 ft. high, bears NE. and SW. Continue gradual ascent.
- Diff. bet. meas. of 9.83 chs., by two set of chainmen, is nothing.
- 9.83** N. 21 lks. from the tangent
- Set an iron post, 3 ft. long, 2 ins. diam., over X cut in solid surface rock, and surrounded by mound of stone to the top, for the witness standard corner of secs. 31 and 32, with brass cap mkd.
- | | | |
|------|------|----|
| S | C | |
| T25S | R18E | WC |
| S31 | S32 | |
- 1928
- No other suitable accessories available.
- 21.90** Point "D" of triangulation as recorded on line along S. bdy of sec. 32. Top of low rim, bears NE. and SW. Continue ascent of 60 ft. to top of ridge, through scattering timber and undergrowth.
- Diff. bet. meas. of 40.00 chs., by two sets of chainmen, is 2 lks.; position of middle point-
- By 1st set, 40.01 chs.
- By 2nd set, 39.99 chs. the mean of which is
- 40.00** N. 24.5 lks. from the tangent
- Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the standard sec. cor., with brass cap mkd.
- | | |
|------|---|
| S | C |
| S 31 | |
- 1928
- from which
- A juniper, 8 ins. diam., bears N.41°15'E., 447 lks. dist., mkd. $\frac{1}{4}$ S 31 S C B T.
- Raise mound of stone, 3 ft. base, 2 ft. high, N. of the cor.
- 45.00** Top of ridge, bears NE. and SW. Descend 65 ft. over SW. slope to sec. cor.
- Diff. bet. meas. of 80.00 chs. by two sets of chainmen, is 4 lks., the position of middle point-
- By 1st set, 80.02 chs.
- By 2nd set, 79.98 chs., the mean of which is
- 80.00** N. 28.5 lks. from the tangent
- Set an iron post, 3 ft. long, 3 ins. diam., 10 ins. in the ground to solid rock and surrounded by mound of stone to the top, for the standard cor. of T. 25 S., Rs. 17 and 18 E., with brass cap mkd.

1906

Chains

S	C
T25S	
R17E	R18E
S36	S31

1928

from which

A juniper, 8 ins. diam., bears N.60°00'E., 270 lks
dist., mkd. T 25 S R 18 E S 31 S C B T.

A juniper, 3 ins. diam., bears N.65°45'W., 223 lks
dist., mkd. T 25 S R 17 E S 36 S C B T.

Land, broken bench.

Soil, loose sandy loam with sandstone surface rock;
rate.

Timber, juniper and pinon.

Undergrowth, sagebrush and black brush.

Fair grazing.

Nov. 9, 1928: At this point, in order to verify the
alignment of the tangent, I observe Polaris at eastern
elongation as follows:

At 4h 24m p.m., l.m.t., I observe Polaris at eastern
elongation, making three sights each with the telescope
in direct and reversed positions, and place a tack at
the mean point on a peg driven firmly in the ground
chs. north. Nov. 10, at 7h a.m. l.m.t., I lay off the
azimuth of Polaris, 1°22'30" to the west of the mean
point in the line determined by observations and make
mark on second peg. Turning from the mean point in the
line determined by the Polaris observation to flag on
tangent to the east: the multiple angle of the four
repetitions reads 354°13', which indicates an angle
of 88°33.2'. As the theoretical bearing of the tangent
at this point is S.99°55.8'W., the observation indicates
that the line has been carried forward acceptably.

Fifth standard parallel south, along the south boundary
of T. 25 S., R. 17 E.

From the standard cor. of T. 25 S., R. 17 and 18 E.
which is in the meridian determined by Polaris observation
I set flag on tangent; the multiple angle of the four
repetitions reads 360°00', which indicates an angle
90°00'.

Next, with the establishment of the fifth standard
parallel south, along the south boundary of sec. 36,
T. 25 S., R. 17 E.

Over broken bench land through scattering timber and
undergrowth. Descend 65 ft. to sec. cor.

4.70 Small draw, course SW.

12.10 Low spur, slopes S.

27.00 Small draw, course SW.

Chains

40.00

Diff. bet. meas. of 40.00 chs., by two sets of chainmen, is nothing.

On the tangent

Set an iron post, 3 ft. long, 1 in. diam., over X cut in solid surface rock, and surrounded by mound of stone to the top, for the standard $\frac{1}{4}$ sec. cor., with brass cap mkd.

S C
 $\frac{1}{4}$ S 36

from which

A juniper, 3 ins. diam., bears N.2°00'E., 290 lks. dist., mkd. B T.

A juniper, 3 ins. diam., bears N.50°00'W., 265 lks. dist., mkd. B T.

Continue descent of 10 ft. to sec. cor.

44.10

Small draw, course SW.

Diff. bet. meas. of 30.00 chs. by two sets of chainmen, is 4 lks., position of middle point-

By 1st set, 72.92 chs.

By 2nd set, 90.02 chs. the mean of which is

80.00

N. 1 lk. from the tangent

Set an iron post, 3 ft. long, 2 ins. in diam., 30 ins. in the ground, for the standard cor. of secs. 35 and 36, with brass cap mkd.

S C
T25S R17E
S35 S36

1928

from which

A juniper, 3 ins. diam., bears N.30°00'E., 290 lks. dist., mkd. B T.

A juniper, 3 ins. diam., bears N.64°15'W., 63 lks. dist., mkd. B T.

This cor. stands on top of ridge, bearing NE. and SW. Land, broken bench.

Soil, loose sandy loam with sandstone surface rock; 3rd rate.

Timber, juniper and pinon.

Undergrowth, sagebrush and black brush.

Fair grazing.

33.30

West, along the S. bdy. of sec. 35, on a transit line describing the tangent, which bears S.89°59.3'W.

Over broken bench land through scattering timber and undergrowth.

Thence over broken surface rock, bearing N. and S.

Diff. bet. meas. of 40.00 chs. by two sets of chainmen, is nothing.

Chains
40.00

N. 2 lks. from the tangent

Set an iron post, 3 ft. long, 1 in. diam., over X cu in solid surface rock and surrounded by mound of sto to the top, for the standard $\frac{1}{4}$ sec. cor., with brass cap mkd.

S C
 $\frac{1}{4}$ S 35

1928

from which

A juniper, 3 ins. diam., bears N.42°45'E., 83 lks. dist., mkd. B T.

A juniper, 4 ins. diam., bears N.71°00'W., 97 lks. dist., mkd. B T.

Thence descend 35 ft. over SW. slope over surface rock. Diff. bet. meas. of 67.76 chs., by two sets of chainmen is nothing.

Canyon

67.76 Left Rim of the Green River, approx. 400 ft. high, between S and N. 1 ch. dist thence NW. Erect flag designated as "A" at this point for future reference.

The line to the west descends over the sandstone rim and the true point for the standard corner of secs. 34 and 35, falls on inaccessible slope where it is impracticable to set cor. Therefore I run on traverses as follows.

N.71°30'W., 9.65 chs. dist., with no diff. in meas. two sets of chainmen.

To a point which is East, 4.04 chs. dist. and North, 2.71 chs. dist. from the true point for the standard corner of secs. 34 and 35: at this point

Set an iron post, 3 ft. long, 2 ins. diam., over X cu in solid surface rock and surrounded by mound of sto to the top, for the witness standard cor. of secs. 34 and 35, with brass cap mkd.

WC
SC
T25S R17E
S34 S35

1928.

No other suitable accessories available.

It was impossible to set the witness cor. within the prescribed limits on any sec. line.

Land, broken bench

Soil, loose sandy loam and surface sandstone; 4th range

Timber, juniper and pinon.

Undergrowth, sagebrush and black brush.

Poor grazing.

Chains West, along the S. bdy. of sec. 34, on transit line describing the tangent, which bears S.89°58.6'W.

From the flag set at 67.76 chs. on the tangent along the S. bdy. of sec. 35.

The line to the west descends into the Green River Canyon and up again onto the left rim, over which chaining is impracticable. Therefore to determine the distance I triangulate as follows:

Designate the flag at the 67.76 chs. point as "A"; set flag "B" on line to the west; from flag "A" set flag "D" north; from flag "A" set flag "C" northwesterly.

The mean distance of the base line "AD" is 10.781 chs. by two sets of chainmen

By 1st set, 10.782 chs.

By 2nd set, 10.780 chs.

The mean distance of the base line "BC" is 12.636 chs. by two set of chainmen

By 1st set, 12.637 chs.

By 2nd set, 12.635 chs.

These were the longest practicable base lines available.

The angles were determined by three repetitions with the error balanced to 180°

Angle at "A", subtended by flags "D" and "B" is 90°00'

Angle at "A", subtended by flags "C" and "B" is 10°51'

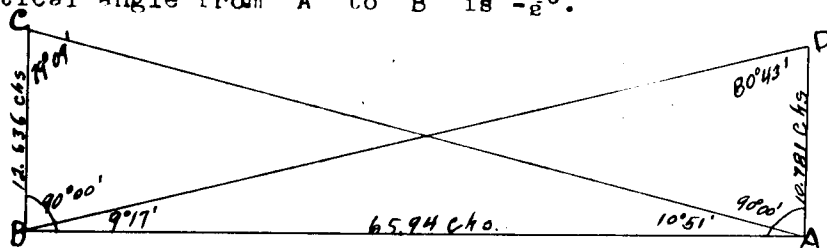
Angle at "B", subtended by flags "C" and "A" is 90°00'

Angle at "B", subtended by flags "D" and "A" is 9°17'

Angle at "C" is 79°09'

Angle at "D" is 80°43'.

Vertical angle from "A" to "B" is $-\frac{1}{2}^{\circ}$.



Mean dist. by tri. from "A" to "B" is-----65.94 chs.

Dist. point "A" is east of true cor. point-----12.24 "

Dist. point "A" is west of true cor. point-----53.70 "

Return meas. by two sets of chainmen, with
no diff. in meas.-----3.85 "

Total dist. west. of true cor. point-----49.85 "

49.85 N. 5 lks. from tangent

Set an iron post, 3 ft. long, 1 in. diam., over X cut in solid surface rock and surrounded by mound of stone to the top, for the witness standard $\frac{1}{4}$ sec. cor., with brass cap mkd.

S C
 $\frac{1}{4}$ S 34 WC
1928.

No other suitable accessories available.

Chains

The true point for the standard $\frac{1}{4}$ sec. cor. falls on sloping sandstone rim, where it is impracticable to set corner.

The witness standard $\frac{1}{4}$ sec. cor. stands on top of sandstone rim, approx. 400 ft. high, bearing NE. and

53.70 Point "B" of triangulation. Thence over surface rock along edge of left rim of Green River Canyon. Through very scattering timber.

56.90 Left rim of Green River Canyon, bears NW. and SE.

63.40 Left rim of Green River Canyon, bears NE. and SW.

Diff. bet. meas. of 73.86 chs. by two sets of chains is nothing.

73.80 N. 7 lks. from tangent

Set an iron post, 3 ft. long, 2 ins. diam., over X in solid surface rock, and surrounded by mound of stone to the top, for the witness standard cor. of secs. 33 and 34, with brass cap mkd.

	S	C
73	T25S	R17E
	S33	S34

1928

No other suitable accessories available.

This corner stands on the left rim of Green River Canyon approx. 500 ft. high, bearing NW. and SW.

80.00 True point for the standard cor. of secs. 33 and 34, falls on precipitous slope of the Green River/where is impracticable to set cor. Canyon

Land, broken bench.

Soil, loose sandy loam with surface sandstone; 4th r

Timber, very scattering juniper and pinon.

Undergrowth, scattering sagebrush and black brush.

Poor grazing.

Nov. 13, 1928: At this point, in order to verify the alignment of the tangent, I observe Polaris at eastern elongation as follows:

At 4h 4m p.m. l.m.t., I observe Polaris at eastern elongation, making three sights each with the telescope in direct and reversed positions, and place a tack at the mean point on a peg driven firmly in the ground cns. north.

At 5h p.m. l.m.t., I lay off the azimuth of Polaris, $1^{\circ}22'30''$ to the west of the mean point in the line determined by observations and make mark on second peg. Turning from the mean point in the line determined by the Polaris observation to flag set on the tangent to the east; the multiple angle of the four repetitions reads $354^{\circ}22'00''$, which indicates an angle of $88^{\circ}35'$. As the theoretical bearing of the tangent at this point is N. $89^{\circ}57.9'E.$, the observation indicates that the has been carried forward acceptably.

5TH. STAND. PAR. S., S. BDY. OF T₂₅ S., R_s. 17, 18 and 19 E.

GENERAL DESCRIPTION

The land crossed by the survey of the 5th standard parallel is an arid broken bench or mesa land, of approximately 6000 ft elevation above sea level.

The first one and one half miles in R. 19 E., drains northeasterly into the Colorado River and the balance of land adjoining the parallel drains southwesterly into the Green River.

There is a scattering growth of pinon and juniper timber along the line, of no commercial value except for firewood and fence posts. There is a medium growth of sagebrush, black brush and grass which affords fair winter grazing for livestock. The soil is a loose sandy loam with much exposed sandstone surface rock; 3rd rate.

The land adjoining this standard parallel is used for winter grazing of livestock when snow is available for water. Stock raising is the only industry.

Hell Roaring Canyon, which heads about two miles northeasterly from where standard parallel crosses is the only canyon of any importance. It drains in a southwesterly direction into the Green River approximately five miles below the standard parallel. This canyon is used for the winter and spring grazing of horses and cattle, as there are a few intermittent springs along the bottom.

The line was terminated at the witness standard corner of secs. 33 and 34, R. 17 E., on account of the impassable rim of the Green River, which has no breaks in it for several miles above or below this corner. The line west from the witness corner runs almost parallel to the Green River for approximately three quarters of a mile and crosses the River in a bend, flowing from the north to the southeast. It is possible to enter the Green River canyon on the right rim only a short distance from where the standard parallel crosses.

There were no indications of coal, oil or other minerals noted during the survey.

Moab Utah, is the nearest post office and supply point approximately 25 miles to the east by trail.

The magnetic declination was not taken on account of defective needle.

CERTIFICATE OF ~~UNITED STATES~~ SURVEYOR

I, Chas. F. Moore, U.S. Surveyor, hereby certify upon honor that, in pursu-
of special instructions received from the District Cadastral Engineer for Utah
bearing date of the 31 day of August, 1928, I have well, faithfully, and t
in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Inst
tions, and the laws of the United States, surveyed all those parts or portions of the 5th
standard parallel south, through ranges 17, 18 and 19 E.

of the
Salt Lake Meridian, in the State of Utah, which are represented
the foregoing field notes as having been executed by me, and under my direction; and that all the corner
said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instr
tions, and the special written instructions of the District Cadastral Engineer for Utah
and in the specific manner described in the field notes, and that the foregoing are the original field notes
such survey.

Salt Lake City, Utah
March 1st, 1933

Chas. F. Moore
U.S. Surveyor

APPROVAL

OFFICE OF ~~U.S.~~ SUPERVISOR OF SURVEYS,

Denver, Colo. MAY 8 1946, 19--

The foregoing field notes of the survey of 5th standard parallel south through
ranges 17, 18, and 19 E.

executed by Chas. F. Moore
under his special instructions dated August 31, 1928, 19--, having b
critically examined, and the necessary corrections and explanations made, the said field notes, and the surv
they describe, are hereby approved.


U.S. Supervisor of Surveys

~~I certify that the foregoing transcript of the field notes of the above-described surveys in~~
~~has been correctly copied from the original notes on file in this office.~~

U.S. Supervisor of Surveys

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

of the

Independent Resurvey of the South Boundary of Section 31,

Survey of the South Boundary of Section 32

and a

Portion of the Subdivisional Lines

of

Township 25 South, Range 17 East

Of the Salt Lake Meridian,

In the State of Utah

EXECUTED BY

Paul E. Russell, Cartographic Survey Aid

Under special instructions dated April 12, 1954, which provided

for the surveys included under Group No. 395, approved May 4, 1954

and assignment instructions dated April 5, 1955

Survey commenced May 9, 1955

Survey completed June 1, 1955

INDEX DIAGRAM

Township 25 South, Range 17 East

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36
1	2				

1310

Fifth Standard Parallel South through Range 17 East

Chains

The west boundary of T. 25 S., R. 17 E., was surveyed by Charles F. Moore, in 1934. The record of the survey is contained in the field notes of T. 25 S., R. 16 E. The west mile of the Fifth Standard Parallel South in Range 17 East, was surveyed by Ferdinand Dickert in 1878 and resurveyed by A. D. Ferron in 1881.

For test of the instrument and methods used see the field notes of T. 27 S., R. 17 E., of this group.

The direction of the lines of survey were determined generally by sustained angulation carried forward from an hour angle observation of Polaris as shown in the field notes of T. 27 S., R. 17 E. and supplemented by numerous altitude observations on the sun for azimuth taken throughout the work and further verified through use of the solar attachment which was at all times maintained in proper adjustment as ascertained by tests on the lines carried forward from the controlling Polaris meridian.

Corners on the east-west lines were set on the true latitudinal curve. Lines connecting previously established corners were run by random and true method but for simplification of the record the random lines are omitted from the field notes.

The geographic position of the southwest corner of the township is latitude $38^{\circ} 35' 07''$ N. and longitude $110^{\circ} 05' 15''$ W. The mean magnetic declination is $15^{\circ} 00'$ E.

Independent Resurvey of the South Boundary of Section 31
of the Fifth Standard Parallel South in Range 17 East

Beginning at the true position for the standard corner of Ts. 25 S., Rs. 16 and 17 E., which is a cross cut in solid sandstone, 14 lks. E. of the witness standard corner, a 3 in. iron post, set and mkd. as described in the official record. I remark the post

SC
T25S
R16E | R17E
S36 | S31
1955
1934

East, along the south boundary of sec. 31.

Ascend 60 ft. over sandstone cliff.

- 1.10 Top of sandstone cliff, bears N. and S.; ascend 110 ft. over NW. slope to mesa.
- 10.80 Small wash, drains NW.
- 19.00 West edge of mesa, bears NE. and SW.
- 25.00 East edge of mesa, bears NE. and SW.; descend 60 ft. over SE. slope to standard $\frac{1}{4}$ sec. cor.
- 40.00 Point for the standard $\frac{1}{4}$ sec. cor. of sec. 31.

Set an iron post, 14 ins. long, 1 in. diam., drilled 6 ins. in solid rock, with brass cap mkd.

S C
 $\frac{1}{4}$ S31
1955

No accessories available.

207

Independent Resurvey of the South Boundary of Section 31

	Descend 90 ft. over sandstone SE. slope.
48.25	Edge of cliff, bears NE. and SW.; descend 800 ft. over series of sandstone ledges.
67.00	Main wash of the N. fork of Two Mile Canyon, 20 lks. wide, 1 ft. deep, course SE.; ascend 180 ft. over SW. slope to cor.
78.05	Point selected for the witness standard cor. of secs. 31 and 32.
	Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., over cross (X) cut in solid rock and in a mound of stone to top, with brass cap mkd.
	<div style="text-align: center;"> S C T258 R17E W C <u>831 832</u> 1955 </div>
80.00	True position for the standard cor. of secs. 31 and 32, falls on sandstone cliff where it is impossible to establish a monument.
	No trace of the 1878 survey or 1881 resurvey was found.
	Land, rocky, vertical cliffs.
	Soil, rocky.
	Timber, none; undergrowth, grass and sagebrush.

Survey of the South Boundary of Section 32
of the
Fifth Standard Parallel South in Range 17 East

	From the true point for the standard cor. of secs. 31 and 32.
	East, along the south boundary of sec. 32.
	Ascend 300 ft. over vertical cliff.
5.00	Top of vertical cliff, bears E. and W.; thence along top of cliff on the N. wall of the canyon.
11.00	Edge of cliff, bears NE. and W.; descend 300 ft. to cor.
40.00	Point for the standard $\frac{1}{4}$ sec. cor. of sec. 32.
	Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 14 ins. in the ground to solid rock, and in a mound of stone to top, with brass cap mkd.
	<div style="text-align: center;"> S C $\frac{1}{4}$ <u>S32</u> 1955 </div>
	Descend 80 ft. over SE. slope, through dense willows, to cor.
51.26	Right bank of the Green River, course SSW.
	Point for the meander corner of secs. 4 and 32.
	Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 20 ins. in the ground, with brass cap mkd.

Survey of the South Boundary of Section 32

Chains

T258
R17E
S32 / N C
S31
T268
1955

Deposit broken glass at base of post.

Land, rocky, vertical cliffs.

Soil, sandy and rocky.

Timber, none; undergrowth, grass, willows and tamarisk.

Partial Subdivision of T. 25 S., R. 17 E.

From the true position for the standard cor. of secs. 31 and 32.

N. 0° 03' W., between secs. 31 and 32.

Ascend approximately 200 ft. over vertical cliff.

3.00

Top of cliff, bears NW. and E.; ascend 200 ft. over rolling sandstone SW. slope to $\frac{1}{4}$ sec. cor.

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 31 and 32.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 3 ins. in the ground to solid rock, and in a mound of stone to top, with brass cap mkd.

$\frac{1}{4}$

S31 | S32

1955

Continue over rolling sandstone through scattering cedar.

67.80

Ascend 110 ft. over SW. slope of sandstone knoll.

75.60

S. edge of knoll, bears NE. and SW.

78.60

N. edge of knoll, bears NE. and SW.; descend 30 ft. over N. slope.

80.00

Point for the cor. of secs. 29, 30, 31, and 32.

Set an iron post, 14 ins. long, 1 in. diam., drilled 6 ins. in solid rock, with brass cap mkd.

T258 R17E

S30 | S29

S31 | S32

1955

No accessories available.

Land, rolling sandstone, vertical cliffs.

Soil, rocky.

Timber, none; undergrowth, sagebrush and scattering cedar.

East, between secs. 29 and 32.

Descend 260 ft. over rocky SE. slope to $\frac{1}{4}$ sec. cor.

Chains

8.30 Small wash, course SE.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 29 and 32.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 15 ins. in the ground to solid rock, and in a mound of stone to top, with brass cap mkd.

$\frac{1}{4}$ S29
S32

1955

Descend 190 ft. over ENE. slope.

50.00 Enter rolling desert land.

80.00 Point for the cor. of secs. 28, 29, 32, and 33.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground to solid rock, and in a mound of stone to top, with brass cap mkd.

T25S R17E
S29|S28
S32|S33

1955

Land, rocky with sandstone ledges.

Soil, sandy.

Timber, none; undergrowth, sagebrush and scattering cedar.

S. 0° 03' E., between secs. 32 and 33.

Over rolling desert through scattering cedar.

21.20 Edge of cliff, bears NE. and SW.; descend 400 ft. over SE. slope.

36.32 Right bank of the Green River, course SW.

Point for the meander cor. of secs. 32 and 33.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 18 ins. in the ground with brass cap mkd.

T25S R17E
S32|S33

M'C

1955

Deposit broken glass at base of post.

Land, rolling desert, vertical cliffs.

Soil, sandy, rocky.

Timber, none; undergrowth, scattering cedar, sagebrush and willow.

From the meander cor. of secs. 32 and 33, thence with the meanders of the right bank of the Green River, downstream in sec. 32.

S. 45° 00' W., 2.00 chs.

S. 60° 00' W., 2.96 chs.

S. 14° 00' W., 7.00 chs.

Partial Subdivision, T. 25 S., R. 17 E.

Notes

S. $41^{\circ} 30'$ W., 13.85 chs.

S. $30^{\circ} 30'$ W., 27.42 chs. The meander cor. of secs. 4 and 32 on the south boundary of the township.

Land, rolling.

Soil, sandy.

Timber, none; undergrowth, willows.

General Description

The soil found in T. 25 S., R. 17 E., is a fine sandy soil, with solid sandstone outcroppings. There are several formations exposed along the canyons, running from the Navajo on top to the Moenkopi at the river bottom. In general the terrain is rough mountainous, with some gentle rolling mesas and benches. The timber consists of scrub cedar, with sagebrush and grass on the mesas and some willows and tamarisk along the river bottom.

The north fork of Two Mile Canyon, heads in sec. 31, drains SE. and leaves the township near the SE. cor. of sec. 31.

CERTIFICATE OF CADASTRAL ENGINEER

211

I, Leland P. Lewis, HEREBY CERTIFY upon honor that, in
 presence of special instructions bearing date of the 5th day of May, 1954,
 have surveyed the west boundary, a portion of the south boundary and a portion of
 the subdivisional lines of Township 26 South, Range 19 East

the Salt Lake Meridian, in the State of Utah, which are
 represented in the foregoing field notes as having been executed by me and under my direction; and that
 a survey has been made in strict conformity with said instructions, the Manual of Instructions for the
 Survey of the Public Lands of the United States, and in the specific manner described in the foregoing
 field notes.

Moab, Utah
September 29, 1954

Leland P. Lewis
Leland P. Lewis
Cartographic Survey Aid

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., _____, 19____

The foregoing field notes of the survey of _____

executed by _____

having been critically examined and found correct, are hereby approved.

 Chief, Division of Cadastral Engineering.

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in _____

_____, is a true copy of the original field notes.

 Chief, Division of Cadastral Engineering.

4-000
(Feb., 1953)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

[illegible]

ORIGINAL
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

Of the Survey of a

Portion of the Subdivisional Lines of

Township 27 South, Range 18 East

Of the

Salt Lake

Meridian,

the State of

Utah

EXECUTED BY

Chester A. Swiatek, Cartographer (Cadastral) and

Leland P. Lewis, Cartographic Survey Aid

Under special instructions dated May 7, 1954, 1954, which provided

for the surveys included under Group No. 397, approved May 24, 1954

and assignment instructions dated June 14, 1954

Survey commenced September 10, 1954

Survey completed September 28, 1954

INDEX DIAGRAM

Township 27 South, Range 18 East

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				14	13			
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			16					
18	17	15	16	7	15	14		13
			6					
19	20	5	21	22	23			24
30	29	5	28	27	26			25
	17							3
31	16	32	4	33	34	35	2	36

16-56770-1

Lines run by Chester A. Swiatek

Lines run by Leland P. Lewis

T. 27 S., R. 18 E.

The record of the survey of the north boundary is contained in the field notes of T. 26 S., R. 18 E.; Group 396. The record of the survey of the east boundary is contained in the field notes of T. 27 S.; R. 19 E.; Group 188. The record of the survey of the west boundary is contained in T. 27 S., R. 17½ E., this group. The record of the survey of the south boundary is contained in the field notes of T. 28 S., R. 18 E., this group.

The following notes are those of the survey of a portion of the subdivisional lines of T. 27 S., R. 18 E.

The survey was executed with a Buff and Buff transit No. 23442 and Buff and Buff transit No. 18002. Both transits are equipped with full vertical circles and improved Smith-type telescopic solar attachments, and conform to the standard instrumental specifications of the Bureau of Land Management. The instruments were maintained in precise adjustment throughout the progress of this survey.

The directions of the lines of survey were determined generally by sustained angulation carried forward from the following hour angle observation on Polaris for meridian, supplemented by numerous altitude observations on the sun for azimuth taken throughout the work and further verified through use of the solar attachments which were at all times maintained in proper adjustment as ascertained by tests on the lines carried forward from the controlling Polaris meridian.

Corners on the east-west lines were set on the true latitudinal curve. Lines connecting previously established corners were run by random and true method but for simplification of the record the random lines are omitted from the field notes. In accordance with the intent of the special instructions all subdivisional corners established are calculated to be at the position they would occupy if the entire township were subdivided.

Measurements were made with narrow steel tapes, 8 chains in length, graduated every link for the first 100 links and the remainder at intervals of 10 links. The tapes were tested by comparison with a one-chain standard steel tape and found correct. All measurements were made on the slope and the vertical angle of each interval ascertained by a clinometer in good adjustment; the horizontal equivalents alone are entered in the field note record. The lengths of all lines were determined by chaining were possible; otherwise, by traverse or triangulation. The details of such traverses or triangulations have been thoroughly verified and in order to simplify the record the diagrams and reductions are omitted from these field notes.

The geographic position of the southeast corner of this township is in latitude 38°24' 08.87" N. and longitude 109° 52' 51.45" W., as determined by traverse from U. S. G. S. Triangulation Station "SHAFT", situated in sec. 12, T. 28 S., R. 18 E.

September 10, 1954, at the cor. of secs. 1, 6, 31 and 36, Ts. 27 and 28 S., Rs. 18 and 19 E., in latitude 38°24' N. and longitude 109°52' W., at 6h 10m 32s a.m., l.m.t., we make an hour angle observation on Polaris, west of the meridian, making three observations each with the telescope in direct and reversed positions, reading the horizontal angle from a flag about 21 chains west.

Mean horizontal angle, flag to Polaris	89°01'
Azimuth of Polaris, west of meridian	0°59'
True bearing to flag	West

The magnetic declination was read at a number of stations throughout the township and the average of the several readings was found to be 15°15' E.

Chains Beginning the subdivisional survey at the cor. of secs. 1, 2, 35 and 36, on the S. bdy. of the Tp., which is monumented with an iron post, 2½ ins. diam., firmly set, marked and witnessed as described in the field notes of T. 27 S., R. 19 E.

N. 0° 01' W., bet. secs. 35 and 36.

Ascend 5 ft. over S. slope.

2.00 Top of low side spur, slopes N. 75° E.; desc. 45 ft. over rolling N. slope, through moderate dense timber.

7.65 Wash, 40 lks, wide, 6 ft. deep, drains N. 20° W. for 8 chs. then N. 50° W.; asc. 15 ft. over broken S. slope, through moderate dense timber.

19.00 Slope changes to SW.; asc. 20 ft. to base of ledge.

20.60 Road, bears N. 80° W. and E.

23.55 Base of ledge, bears E. and W.; asc. 130 ft. to top of ledge.

25.40 Top of ledge, bears E. and W.; asc. 40 ft. over gentle S. slope.

31.30 Top of broad spur, projects W.; desc. 30 ft. over gentle N. slope.

40.00 Point for the ¼ sec. cor. of secs. 35 and 36.

Set an iron post, 30 ins. long, 1 in. diam., 10 ins. in a drill hole in solid sandstone and in a mound of stone, 4 ft. base, 10 ins. high, with brass cap mkd.

$\frac{1}{4}$
 S 35 | S 36
 1954

from which

A pinon, 6 ins. diam., bears N. 81° E., 23 lks. dist., mkd. ¼ S36 BT.

A pinon, 10 ins. diam., bears S. 48½° W., 31 lks. dist., mkd. ¼ S35 BT.

Descend 55 ft. over N. slope, through moderate dense timber.

45.40 Draw, drains E.; asc. 65 ft. over S. slope.

53.50 Isolated knoll, bears E. and W.; desc. 225 ft. over N. slope.

66.50 Slope changes to NNE.

75.00 Point for the witness cor. of secs. 25, 26, 35 and 36.

Set an iron post, 30 ins. long, 1 in. diam., 10 ins. in a drill hole in solid rock and in a small mound of stone, with brass cap mkd.

W C
 T 27 S ↑ R 18 E
 S 26 | S 25
 S 35 | S 36
 1954

Deposit a rock 3 x 5 x 7 ins. mkd. "X" alongside the iron post.

75.10 W. rim of fork of Trail Canyon, bears N. 40° W. and S. 40° E., cap NE.

Portion of Subdivision of T. 27 S., R. 18 E.

Chains 00.00	<p>True point for the cor. of secs. 25, 26, 35, and 36, falls on abrupt NE. slope on W. side of Trail Canyon, approximately 200 ft. below the witness cor.</p> <p>Land, broken and rolling mesa top and W. rim of Trail Canyon. Soil, sandy and rocky of sandstone formation. Timber, juniper and pinon; underbrush, sparce rabbit brush, black brush and mormon tea.</p>
	<p>From the cor. of secs. 25, 30, 31, and 36, on the E. bdy. of the Tp. S. 89° 57' W., bet. secs. 25 and 36.</p> <p>(By triangulation) Ascend approx. 900 ft. over E. slope of Trail Canyon.</p>
12.76	<p>(End of triangulation) W. rim of Trail Canyon, bears N. 20° E. and S. 20° W., facing E.</p> <p>Ascend 170 ft. over E. slope of broken mesa top.</p>
18.95	<p>Top of small rim on E. side of spur, bears N. and S.; asc. 5 ft.</p>
22.30	<p>Top of spur, slopes N.; desc. 5 ft.</p>
28.95	<p>Top of small rim on W. side of spur, bears N. and S.; descend 130 ft. over W. slope, through sparce timber.</p>
30.95	<p>Base of steep descent; thence over broken mesa top.</p>
39.99	<p>Point for the $\frac{1}{4}$ sec. cor. of secs. 25 and 36.</p> <p>Set an iron post, 30 ins. long, 1 in. diam., 10 ins. in a drill hole and in a mound of stone, $2\frac{1}{2}$ ft. base, 10 ins. high, with brass cap mkd.</p> <div style="text-align: center;">$\frac{1}{4}$ $\overline{\text{S 25}}$ S 36 1954</div>
	<p>Deposit a rock 2 x 4 x 7 ins. mkd. "X" alongside the iron post.</p> <p>Desc. 35 ft. over NW. slope, through moderate dense timber.</p>
45.00	<p>Wash, drains NW.; thence over rolling land.</p>
56.85	<p>Edge of W. rim of fork of Trail Canyon, bears N. and S., facing W.</p> <p>(By triangulation) Descend approximately 600 ft. over abrupt W. slope.</p>
66.00	<p>(Approximate) Bottom of descent; ascend approx. 600 ft. over NE. slope of canyon.</p>
79.98	<p>True point for the cor. of secs. 25, 26, 35, and 36.</p> <p>Land, abrupt mesa walls and broken mesa tops. Soil, sandy and rocky. Timber, juniper and pinon; underbrush, sparce rabbit brush, black brush, mormon tea and cacti.</p>

Chains

From the cor. of secs. 4, 5, 32, and 33, on the S. bdy. of the $\frac{1}{4}$ sec. which is monumented by an iron post, $2\frac{1}{2}$ ins. diam., firmly set, marked and witnessed as described in the field notes of T. 28 S., R. 18 E.

N. $0^{\circ} 03'$ W., bet. secs. 32 and 33.

Over broken, rolling land

1.00 Bottom of head of ravine, drains S. 40° W.; asc. 55 ft. over rocky S. slope.

2.60 Top of broken sandstone bench, edge bears E, and W.; asc. 20 ft. over rocky broken terrain.

14.00 Top of flat side spur, projects N. 70° W.; desc. 115 ft. over N. slope.

32.60 Wash, 40 lks. wide, 2 ft. deep, drains S. 50° W.; asc. 95 ft. over rocky SE. slope.

39.00 Top of side spur, slopes S. 50° W.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 32 and 33.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 16 ins. in the ground and in a mound of stone, 2 ft. base to top, with brass cap mkd.

$\frac{1}{4}$
S 32 | S 33

1954

Deposit a rock 12 x 11 x 2 ins. mkd. "X" alongside the iron post.

Descend 64 ft. over broken rocky NW. slope.

48.70 Wash, 20 lks. wide, 2 ft. deep, drains S. 45° W.; asc. 130 ft.

69.00 Top of broken sandstone bench, bears E. and W.

70.00 Point for the witness cor. of secs. 28, 29, 32, and 33.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 18 ins. in the ground and in a mound of stone, 2 ft. base to top, with brass cap mkd.

T 27 S R 18 E
W A C
S 29 | S 28
S 32 | S 33

1954

Deposit a rock 13 x 5 x 2 ins. mkd. "X" alongside the iron post.

The cor. is located on an S. slope at base of grey sandstone ledge.

(By triangulation) Ascend approx. 900 ft. over S. face of Steer Mesa.

80.00 True point for the cor. of secs. 28, 29, 32, and 33, falls on inaccessible red sandstone ledge.

Land, broken and rolling, with nearly vertical sandstone mesa wall. Soil, sandy and rocky of sandstone formation. Timber, none; underbrush, sparse black brush, mormon tea and rabbit brush.

Portion of Subdivision of T. 27 S., R. 18 E.

Chains	N. 0° 03' W., bet. secs. 28 and 29. (Ascending by triangulation over S. face of Steer Mesa.)
9.55	(End of triangulation) Top of S. rim of Steer Mesa and top of vertical sandstone cliff, 400 ft. high, bears N. 70° E. and S. 70° W., facing S. Descend 15 ft. over rolling N. slope on top of mesa, through moderate timber and sandstone outcroppings.
40.00	Point for the $\frac{1}{2}$ sec. cor. of secs. 28 and 29. Set an iron post, 30 ins. long, 1 in. diam., 10 ins. in the ground and in a mound of stone, $3\frac{1}{2}$ ft. base, 10 ins. high, with brass cap akd. <div style="text-align: center;"> $\frac{1}{2}$ S 29 S 28 1954 </div>
	Deposit a rock 12 x 5 x 2 ins. akd. "X" alongside the iron post.
43.00	Slope changes to NE.; desc. 220 ft. over broken mesa top.
69.45	Edge of Steer Mesa rim, bears N. 25° E. and S. 40° E., facing N. 60° E. (By triangulation) Descend 175 ft. into a S. fork of Upheaval Canyon.
80.00	True point for the cor. of secs. 20, 21, 22 and 29, falls on abrupt ledges of mesa wall. Not monumented. Land, nearly vertical mesa walls and broken top of Steer Mesa. Soil, sandy and rocky of sandstone formation. Timber, moderate pinon and juniper on top of mesa; underbrush, black brush, mormon tea and rabbit brush.
	N. 0° 03' W., bet. secs. 20 and 21. (Descending by triangulation into a S. fork of Upheaval Canyon)
9.35	(End of triangulation) Point for the witness cor. of secs. 20, 21, 22 and 29. Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 18 ins. in the ground and in a mound of stone, 4 ft. base to top, with brass cap akd. <div style="text-align: center;"> W C T 27 S R 18 E S 20 S 21 S 29 S 28 1954 </div>
	Deposit a rock 9 x 5 x 2 ins. akd. "X" alongside the iron post. The cor. is located at point side of projection which slopes N. 45° E. Desc. 325 ft. over extremely broken bottom of S. fork of Upheaval Canyon.

Portion of Subdivision of T. 27 S., R. 18 E.

Chains

31.70

Wash, in bottom of S. fork of Upheaval Canyon, 20 lms. wide, 3 ft. deep, drains N. 20° W.

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 20 and 21.

Set an iron post, 30 ins. long, 1 in. diam., 10 ins. in a drill hole in solid rock and in a mound of stone, $3\frac{1}{2}$ ft. base, 10 ins. high, with brass cap mkd..

$$\begin{array}{c} \frac{1}{4} \\ S\ 20 \mid S\ 21 \\ 1954 \end{array}$$

Deposit a rock 11 x 4 x 1 ins. mkd. "X" alongside the iron post.

Descend 145 ft. along extremely broken W. slope of S. fork of Upheaval Canyon, through boulders.

72.10

Descend 60 ft. into canyon.

74.10

Wash, in bottom of Upheaval Canyon, winding W.; asc. 180 ft. over S. slope.

79.20

Edge of N. rim of canyon; thence across bench.

80.00

Point for the cor. of secs. 16, 17, 20 and 21.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., over an "X" marked on solid bedrock and in a mound of stone, 6 ft. base to top, with brass cap mkd.

$$\begin{array}{c} T\ 27\ S \quad R\ 18\ E \\ S\ 17 \mid S\ 16 \\ S\ 20 \mid S\ 21 \\ 1954 \end{array}$$

Deposit a rock 10 x 5 x 3 ins. mkd. "X" alongside the iron post.

The cor. is located approx. 15 chains S. of a sheer ledge about 400 ft. high which bears W. and N. 30° E..

Land, very broken.

Soil, sandy and rocky, with large boulders.

Timber, none; underbrush, sparse black brush, mormon tea and rabbit brush.

East, bet. secs. 16 and 21.

(By offset and traverse)

Desc. 180 ft. over SE. slope.

12.00

Bottom of small canyon, drains SW.; asc. 400 ft. over EW. slope.

26.00

Top of spur, slopes SW.; desc. 300 ft. over SE. slope.

36.30

Point for the witness $\frac{1}{4}$ sec. cor. of secs. 16 and 21.

Set an iron post, 30 ins. long, 1 in. diam., 10 ins. in a drill hole in solid sandstone and in a mound of stone, 4 ft. base, 10 ins. high, with brass cap mkd.

$$\begin{array}{c} W\ C \\ S\ 16 \\ \frac{1}{4} \xrightarrow{\quad} S\ 21 \\ 1954 \end{array}$$

Portion of Subdivision of T. 27 S., R. 18 E.

Chains

Deposit a rock 9 x 5 x 3 ins. mkd. "X" alongside the iron post.

The cor. is located on steep broken SE. slope, 1.00 chain S. of sheer sandstone ledge, approx. 300 ft. high which bears N. 35° E. and S. 30° W.

38.00 Bottom of small canyon, drains S.

40.00 True point for the $\frac{1}{4}$ sec. cor. of secs. 16 and 21, falls on abrupt sandstone ledges.

67.50 Wash, drains SW.

Ascend approx. 1000 ft. over very broken sandstone ledges.

80.00 Point for the cor. of secs. 15, 16, 21 and 22.

Set an iron post, 30 ins. long, 1 in. diam., 10 ins. in the ground and in a mound of stone, 3 ft. base, 10 ins. high, with brass cap mkd.

T 27 S R 18 E

S 16 S 15

S 21 S 22

1954

Deposit a rock 7 x 5 x 3 ins. mkd. "X" alongside the iron post.

Land, rough and broken.

Soil, sandstone bedrock, with scattered rocks.

Timber, none; underbrush, none.

N. 0° 02' W., bet. secs. 15 and 16.

Descend 400 ft. over very broken sandstone N. slope to the $\frac{1}{4}$ sec. cor.

8.85 Edge of sandstone ledge, 20 ft. high, bears N. 50° E. and S. 50° W.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 15 and 16.

Set an iron post, 30 ins. long, 1 in. diam., 10 ins. in a drill hole and in a mound of stone, 2 $\frac{1}{2}$ ft. base, 10 ins. high, with brass cap mkd.

$\frac{1}{4}$

S 16 S 15

1954

Deposit a rock 8 x 4 x 3 ins. mkd. "X" alongside the iron post.

(Thence by triangulation) Descend approximately 80 ft.

47.00 (Approx.) Edge of canyon, bears E. and W.; desc. approx. 300 ft. over N. slope.

51.00 (Approx.) Wash in bottom of canyon, drains W.; ascend approx. 280 ft. over S. slope.

74.55 (End of triangulation)

Ascend 20 ft. over S. slope.

80.00 Point for the cor. of secs. 9, 10, 15 and 16.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 18 ins. in the ground, with brass cap mkd.

Portion of Subdivision of T. 27 S., R. 18 E.

Chains

T 27 S R 18 E
S 9 | S 10
S 16 | S 15
1954

Deposit a rock 2 x 4 x 4 ins. mkd. "X" alongside the iron post.

Land, rough broken.

Soil, sandstone bedrock, some boulders.

Timber, none; underbrush, none.

N. 0° 02' W., bet. secs. 9 and 10.

Over broken mesa top, through scattering timber; desc. 20 ft.

19.50 Side wash, 50 lks. wide, 3 ft. deep, drains N. 80° W.; desc. 25 ft.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 9 and 10.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 18 ins. in the ground, with brass cap mkd.

$\frac{1}{4}$
S 9 | S 10
1954

Deposit a rock 2 x 2 x 3 ins. mkd. "X" alongside the iron post.

Descend 85 ft. over broken mesa top, through scattering timber.

55.60 Broken N. rim of Buck Mesa, bears E. and W.

(By triangulation) Desc. 900 ft. over broken N. face of Buck Mesa into Taylor Canyon.

80.00 (End of triangulation) Point for the cor. of secs. 3, 4, 9 and 10.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 19 ins. in the ground and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T 27 S R 18 E
S 4 | S 3
S 9 | S 10
1954

Deposit a rock 5 x 4 x 2 ins. mkd. "X" alongside the iron post.

Land, rough broken, with nearly vertical mesa wall.

Soil, sandstone bedrock, sand and rocks.

Timber, scattered pinon and juniper; underbrush, scattered black brush and mormon tea.

10.50 N. 0° 02' W., bet. secs. 3 and 4.

Wash in bottom of Taylor Canyon, drains W.

Desc. 50 ft. over N. slope into Taylor Canyon.

18.95 Dim road, bears N. 2° E. and S. 5° W.; thence over rolling bottom of Taylor Canyon.

Portion of Subdivision of T. 27 S., R. 18 E.

Chains

22.55

Taylor Canyon road, bears S. 40° E. and N. 30° W.

37.40

Wash, channel, 50 lks. wide, 5 ft. deep, drains S. 25° W. from The Big Draw; thence across bottom of mouth of The Big Draw.

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 3 and 4.

Set an iron post, 30 ins. long, 2½ ins. diam., 16 ins. in the ground and in a mound of stone, 4 ft. base to top, with brass cap mkd.

$$\begin{array}{c} \frac{1}{4} \\ S 4 \mid S 3 \end{array}$$

1954

Deposit a rock 4 x 4 x 2 ins. mkd. "X" alongside the iron post.

40.90

The Big Draw road, bears N. 75° E. and S. 45° W.; asc. 85 ft. over broken S. slope.

47.00

Ledge, bears E. and W.; asc. 150 ft. to ledge.

48.89

An iron pipe, 3 ins. diam., showing 7 ins. above the ground, set in concrete, bears W. 10 lks. dist., mkd. 501.

49.50

Road, bears N. 50° E. and S. 50° W., ends 10 chs. dist. to SW.

57.00

Ledge, bears N. 35° E. and S. 45° W.; desc. 216 ft. over extremely broken NE. slope to wash.

65.50

Road, bears N. 10° W. and S. 10° E.

70.00

Small wash, drains S. 10° E.

80.00

Point for the $\frac{1}{16}$ cor. of secs. 3 and 4.

Set an iron post, 30 ins. long, 1 in. diam., 8 ins. in a drill hole in solid rock, with brass cap mkd.

RFE

$$\begin{array}{c} \frac{1}{16} \\ S 4 \mid S 3 \end{array}$$

80

1954

Deposit a rock 4 x 4 x 3 ins. mkd. "X" alongside the iron post.

Ascend 120 ft. over extremely broken SE. slope.

86.08

Intersect the North boundary of the Tp.

Point for the closing cor. of secs. 3 and 4.

Set an iron post, 30 ins. long, 1 in. diam., 10 ins. in a drill hole on top of a sandstone boulder, 20 x 15 x 12 ft., with brass cap mkd.

T 26 S R 18 E

S 33

S 4 | S 3

C C

T 27 S R 18 E

1954

Chains

From point of intersection the true point for the $\frac{1}{4}$ sec. cor. of sec. 33, T. 26 S., R. 18 E., bears W., 10.10 chs. dist.

The witness $\frac{1}{4}$ sec. cor. of sec. 33, bears W., 15.10 chs. dist.

Land, rough broken.

Soil, sandy and rocky of sandstone formation.

Timber, none; underbrush, sparse black brush and mormon tea.

Point for the N. $\frac{1}{4}$ sec. cor. of sec. 3 on the N. bdy. of the Tp. is at proportionate distance between the NE. Tp. cor. and the closing cor. of secs. 3 and 4.

True point for the $\frac{1}{4}$ sec. cor. of sec. 3, falls on precipitous broken slope.

At a point W. 4.45 chs. dist.

Set an iron post for the witness cor., 30 ins. long, 1 in. diam., 10 ins. in a drill hole in solid rock, with brass cap mkd.

$\frac{1}{4}$ —————→ W C
 S 3
 1954

Deposit a rock 4 x 4 x 3 ins. mkd. "X" alongside the iron post.

From the true point for the $\frac{1}{4}$ sec. cor., the cor. of secs. 33 and 34, bears W. 10.05 chs. dist.

Point for the closing cor. of secs. 2 and 3 on the N. bdy. of the Tp. is at proportionate distance between the NE. Tp. cor. and the closing cor. of secs. 3 and 4.

True point for the cor. of secs. 2 and 3, falls in a small wash, unsuitable for permanent monument.

At a point S. 0° 01' E., 60 lks. dist.

Set an iron post for witness closing cor., 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 18 ins. the ground and in a mound of stone, 3 $\frac{1}{2}$ ft. base to top, with brass cap mkd.

W 6
 T 26 S R 18 E
 S 34
 S 2
 C C
 T 27 S R 18 E
 1954

Deposit a rock 6 x 5 x 5 ins. mkd. "X" alongside the iron post.

From the true point for the closing cor., the S. $\frac{1}{4}$ sec. cor. of sec. 34, T. 26 S., R. 18 E., bears W., 10 chs. dist.

Point for the N. $\frac{1}{4}$ sec. cor. of sec. 2 on the N. bdy. of the Tp. is at proportionate distance between the NE. Tp. cor. and the closing cor. of secs. 3 and 4.

Portion of Subdivision of T. 27 S., R. 18 E.

Chains

At the corner point

Set an iron post, 30 ins. long, 1 in. diam., 10 ins. in a drill hole and in a mound of stone, 4 ft. base to top, with brass cap mkd.

 $\frac{1}{4}$ S 2

1954

Deposit a rock 5 x 5 x 3 ins. mkd. "X" alongside the iron post.

From this corner the cor. of secs. 34 and 35, T. 26 S., R. 18 E., bears W. 9.95 chs. dist.

Point for the closing cor. of secs. 1 and 2 on the N. bdy. of the Tp. is at proportionate distance between the NE. Tp. cor. and the closing cor. of secs. 3 and 4.

At the corner point

Set an iron post, 30 ins. long, 1 in. diam., 10 ins. in a drill hole and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T 26 S R 18 E

S 35

S 2 | S 1

C C

T 27 S R 18 E

1954

Deposit a rock 6 x 4 x 2 ins. mkd. "X" alongside the iron post.

From this corner the $\frac{1}{4}$ sec. cor. of sec. 35, T. 26 S., R. 18 E., bears W. 9.89 chs. dist.

Point for the N. $\frac{1}{4}$ sec. cor. of sec. 1 on the N. bdy. of the Tp., is at proportionate distance between the NE. Tp. cor. and the closing cor. of secs. 3 and 4.

At the corner point

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., over an "X" marked on solid rock and in a mound of stone, $4\frac{1}{2}$ ft. base to top, with brass cap mkd.

 $\frac{1}{4}$ S 1

1954

From this corner the cor. of secs. 35 and 36, T. 26 S., R. 18 E., bears W. 9.84 chs. dist.

From the closing cor. of secs. 1 and 2 on the N. bdy. of the Tp.

S. 0° 01' E., bet. secs. 1 and 2.

Portion of Subdivision of T. 27 S., R. 18 E.

Chains

Over rolling mesa top, through sparse timber.

6.28

Point for the 1/16 cor. of secs. 1 and 2.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 15 ins. in the ground and in a mound of stone, 3 ft. base, 10 ins. high, with brass cap mkd.

$$\begin{array}{c} 1 \\ \hline 16 \\ S\ 2 \mid S\ 1 \\ 80 \\ 1954 \end{array}$$

Deposit a rock 6 x 4 x 3 ins. mkd. "X" alongside the iron post.

Descend 110 ft. over S. slope on top of mesa.

35.80

Point for the witness point on line bet. secs. 1 and 2.

Set an iron post, 30 ins. long, 1 in. diam., 10 ins. in a drill hole in solid rock and in a mound of stone, 4 ft. base, 15 ins. high, with brass cap mkd.

$$\begin{array}{c} W\ P \\ S\ 2 \mid S\ 1 \\ 1954 \end{array}$$

Deposit a rock 4 x 4 x 3 ins. mkd. "X" alongside the iron post.

35.95

N. edge of side canyon, 600 ft. deep, bears N. 80° E. and S. 80° W.

(Thence by triangulation) Descend into canyon.

46.28

True point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 2, falls on abrupt canyon wall, not monumented.

51.00

(Approx.) Bottom of canyon, drains S. 80° W.; ascend 600 ft. over abrupt S. side of canyon.

72.00

(End of triangulation) S. edge of side canyon, bears N. 80° E. and S. 80° W.

Ascend 40 ft. over N. slope of mesa.

78.50

Top of ascent; thence over nearly level mesa top.

82.99

Point for the witness cor. of secs. 1, 2, 11 and 12.

Set an iron post, 30 ins. long, 1 in. diam., 10 ins. in a drill hole and in a mound of stone, 4 ft. base, 15 ins. high, with brass cap mkd.

$$\begin{array}{c} T\ 27\ S \quad R\ 18\ E \\ S\ 2 \mid S\ 1 \\ S\ 11 \downarrow S\ 12 \\ W\ C \\ 1954 \end{array}$$

Deposit a rock 6 x 5 x 3 ins. mkd. "X" alongside the iron post.

83.15

Edge of canyon, approx. 800 ft. deep, bears S. 80° W. and S. 30° E.

86.28

True point for the cor. of secs. 1, 2, 11 and 12, falls on abrupt canyon wall.

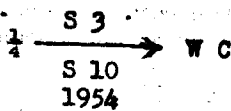
Portion of Subdivision of T. 27 S., R. 18 E.

Chains	Land, rolling mesa top and canyons. Soil, sandstone bedrock, sandy and rocky. Timber, sparse juniper and pinon; underbrush, scattered black brush, mormon tea and rabbit brush.
	From the true cor. point of secs. 1, 2, 11 and 12. N. 89° 56' W., bet. secs. 2 and 11. Desc. 800 ft. along abrupt broken N. breaks of Taylor Canyon.
18.00	Base of steep descent at head of side draw which drains SW.; continue along broken S. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 11. Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 15 ins. in the ground and in a mound of stone, 4 ft. base to top, with brass cap mkd.. <div style="text-align: center;"> $\begin{array}{r} \frac{1}{4} \text{ S } 2 \\ \hline \text{S } 11 \\ 1954 \end{array}$ </div>
	Deposit a rock 5 x 5 x 3 ins. mkd. "X" alongside the iron post. Asc. 160 ft. over broken SE. slope.
49.65	Top of ascent; asc. 95 ft. along S. side of spur.
55.50	Top of spur, middle, slopes N. 70° E. and S. 70° W.; desc. 320 ft. over NW. slope.
74.50	Base of spur; dirt road, bears N. 20° E. and S. 20° W.; desc. 25 ft. over broken canyon floor.
80.00	Point for the cor. of secs. 2, 3, 10 and 11. Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 20 ins. in the ground, with brass cap mkd. <div style="text-align: center;"> $\begin{array}{cc} \text{T } 27 \text{ S} & \text{R } 18 \text{ E} \\ \text{S } 3 & \text{S } 2 \\ \hline \text{S } 10 & \text{S } 11 \\ 1954 \end{array}$ </div>
	Deposit a rock 4 x 4 x 2 ins. mkd. "X" alongside the iron post. Land, broken canyon bottom and broken N. breaks of Taylor Canyon. Soil, sandstone bedrock, sandy and rocky. Timber, none; underbrush, none.
	N. 0° 01' W., bet. secs. 2 and 3. Over broken canyon bottom.
.68	Road, bears N. 70° E. and W. (By triangulation) Desc. approx. 40 ft. to wash.
9.00	(Approx.) Wash, drains W.; asc. approx. 750 ft. over S. slope.
35.67	N. rim of Taylor Canyon and S. rim of mesa, bears E. and W.; asc.

Portion of Subdivision of T. 27 S., R. 18 E.

Chains	45 ft. over mesa top.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 3. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., over an "X" marked on solid rock and in a mound of stone, 5 ft. base, 25 ins. high, with brass cap mkd. $\begin{array}{c} \frac{1}{4} \\ S\ 3 \mid S\ 2 \\ 1954 \end{array}$ Deposit a rock 4 x 4 x 3 ins. mkd. "X" alongside the iron post. Asc. 50 ft. over mesa top.
62.95	Edge of rim, bears N. 75 E. and S. 75° W. ; desc. 600 ft. over broken N. slope.
80.00	Point for the $\frac{1}{16}$ cor. of secs. 2 and 3. Set an iron post, 30 ins. long; $2\frac{1}{2}$ ins. diam., 6 ins. in the ground and in a mound of stone, 4 ft. base to top, with brass cap mkd. $\begin{array}{c} \frac{1}{16} \\ S\ 3 \mid S\ 2 \\ 80 \\ 1954 \end{array}$ Deposit a rock 6 x 5 x 5 ins. mkd. "X" alongside the iron post. Desc. 220 ft. over broken N. slope.
86.18	Intersect the N. bdy. of the Tp., at the true point for the cor. of secs. 2 and 3. Not monumented. Witness corner to same bears S. 0° 01' E., 60 lks. dist. Land, broken canyon bottom and talus slopes. Soil, sandstone, sandy and rocky. Timber, none; underbrush, none.
	From the cor. of secs. 2, 3, 10 and 11. N. 89° 56' W., bet. secs. 3 and 10. Desc. 20 ft. over rolling bottom of Taylor Canyon to the $\frac{1}{4}$ sec. cor.
1.50	Taylor Canyon road, bears N. 65° W. and S. 80° E.
4.50	Upheaval Canyon road, bears N. and S. 35° E.
14.20	Taylor Canyon, 70 lks. wide, 4 ft. deep, drains N. 40° W.
39.97	True point for the $\frac{1}{4}$ sec. cor. of secs. 3 and 10, falls in a wash, 15 lks. wide, 3 ft. deep, drains N. 10° W.
40.47	Point for the witness cor. of secs. 3 and 10. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 15 ins. in the ground and in a mound of stone, 3 ft. base to top, with brass cap mkd.

Portion of Subdivision of T. 27 S., R. 18 E.



Deposit a rock 4 x 4 x 3 ins. mkd. "X" alongside the iron post.

Desc. 25 ft. over rolling bottom of Taylor Canyon.

48.80 Road, bears N. and S.; asc. 30 ft. over broken terrain.

79.94 The cor. of secs. 3, 4, 9 and 10.

Land, rolling bottom of Taylor Canyon.
 Soil, sandstone, sandy and rocky.
 Timber, none; underbrush, sparse black brush and mormon tea.

From the cor. of secs. 16, 17, 20 and 21.

N. 0° 03' W., bet. secs. 16 and 17.

(By triangulation) Asc. approx. 500 ft. over SE. slope of Buck Mesa.

15.17 Isolated sandstone pillar, approx. 2 chs. diameter.

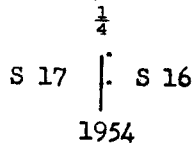
18.17 (End of triangulation) Asc. 75 ft. over broken S. slope of Buck Mesa.

22.50 Enter moderate scattered timber.

26.00 S. rim of Buck Mesa, bears E. and W.; thence across top of Buck Mesa, through moderate timber.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 16 and 17.

Set an iron post, 30 ins. long, 1 in. diam., 10 ins. in a drill hole in solid rock and in a mound of stone, 3 ft. base, 10 ins. high, with brass cap mkd.

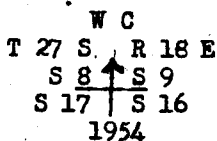


Deposit a rock 7 x 4 x 3 ins. mkd. "X" alongside the iron post.

Continue across broken mesa top.

76.90 Point for the witness cor. of secs. 8, 9, 16 and 17.

Set an iron post, 30 ins. long, 1 in. diam., 10 ins. in a drill hole in solid rock and in a mound of stone, 3 ft. base, 10 ins. high, with brass cap mkd.



Deposit a rock 5 x 5 x 4 ins. mkd. "X" alongside the iron post.

76.95 N. rim of Buck Mesa, bears N. 25° E. and S. 25° W.; desc. 50 ft. over NW. slope of mesa.

Portion of Subdivision of T. 27 S., R. 18 E.

Chains 80.00	<p>True point for the cor. of secs. 8, 9, 16 and 17, falls on abrupt NW. slope of Buck Mesa. Not monumented.</p> <p>Land, broken mesa walls. Soil, sandstone, sandy and rocky. Timber, sparse juniper and pinon; underbrush scattered black brush and mormon tea.</p>
26.00	<p>From the cor. of secs. 9, 10, 15 and 16.</p> <p>West, bet. secs. 9 and 16.</p> <p>Asc. 20 ft. over broken mesa top, through scattered timber.</p> <p>Side spur, slopes N.; desc. 50 ft. over broken mesa top.</p>
40.00	<p>Point for the $\frac{1}{4}$ sec. cor. of secs. 9 and 16.</p> <p>Set an iron post, 30 ins. long, 1 in. diam., 9 ins. in a drill hole and in a mound of stone, 3 ft. base, 10 ins. high, with brass cap mkd.</p> <div style="text-align: center;"> $\begin{array}{r} S\ 9 \\ \frac{1}{4} \text{ --- } \\ S\ 16 \\ 1954 \end{array}$ </div> <p>Deposit a rock 4 x 4 x 3 ins. mkd. "X" alongside the iron post.</p> <p>N. rim of mesa, bears N. approx. 6 chs. dist.</p> <p>Continue over broken mesa top, through scattered timber.</p>
47.00	Side spur, slopes N., ends 10 chs. dist.; asc. 20 ft. over broken mesa top.
79.00	N. edge of Buck Mesa, bears N. 25° E. and S. 25° W.; desc. approx. 70 ft. to the cor.
80.00	<p>True point for the cor. of secs. 8, 9, 16 and 17. Not monumented.</p> <p>Land, broken mesa top. Soil, sandy and rocky. Timber, scattered juniper and pinon; underbrush, sparse black brush and mormon tea.</p>
4.70	<p>From the cor. of secs. 5, 6, 31 and 32, on the S. bdy. of the Tp.</p> <p>N. 0° 03' W., bet. secs. 31 and 32.</p> <p>Over rocky broken terrain.</p> <p>Desc. 85 ft. over rocky NE. slope into side ravine.</p>
17.70	Wash in bottom of ravine, drains E.; asc. 110 ft. over rocky SE. slope.
30.00	Top of broken sandstone bench, bears E. and W.
32.00	<p>Point for the witness $\frac{1}{4}$ sec. cor. of secs. 31 and 32.</p> <p>Set an iron post, 30 ins. long, 2$\frac{1}{2}$ ins. diam., 10 ins. in the ground and in a mound of stone, 4-ft. base to top, with brass cap mkd.</p>

Portion of Subdivision of T. 27 S., R. 18 E.

Chains

W C
 $\frac{1}{4}$
 S 31 \uparrow S 32
 1954

Deposit a rock 8 x 6 x 2 ins. mkd. "X" alongside the iron post.

(Thence by triangulation) Asc. 108 $\frac{3}{4}$ ft. over SE. face of Steer Mesa.

True point for $\frac{1}{4}$ sec. cor. of secs. 31 and 32.

(End of triangulation) Top of Steer Mesa, rim, bears NE. and SW., facing SE.

Descend 55 ft. over irregular broken top of mesa.

Point for the cor. of secs. 29, 30, 31 and 32.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., over an "X" marked on solid bedrock and in a mound of stone, 3 $\frac{1}{2}$ ft. base, 28 ins. high, with brass cap mkd.

T 27 S R 18 E
 S 30 | S 29
 S 31 | S 32
 1954

Deposit a rock 6 x 5 x 2 ins. mkd. "X" alongside the iron post.

The cor. is 2.50 chs. S. of rim of ledge which bears N. 20° E. and S. 20° W.

Land, rough broken, with mesa wall.

Soil, sandstone, sandy and rocky.

Timber, none; underbrush, none.

From the true point for the cor. of secs. 28, 29, 32 and 33.

N. 89° 58' W., bet. secs. 29 and 32.

(By triangulation and traverse) Asc. approx. 300 ft. along S. face of Steer Mesa.

(End of triangulation and traverse) Top of Steer Mesa, rim, bears N. 80° E. and S. 80° W.; thence over broken rolling mesa top.

Point for the $\frac{1}{4}$ sec. cor. of secs. 29 and 32.

Set an iron post, 30 ins. long, 1 in. diam., over an "X" marked on solid rock and in a mound of stone, 3 $\frac{1}{2}$ ft. base, 20 ins. high, with brass cap mkd.

$\frac{1}{4}$ S 29
 S 32
 1954

Deposit a rock 4 x 4 x 2 ins. mkd. "X" alongside the iron post.

Descend 80 ft. over broken NW. slope on top of mesa.

The cor. of secs. 29, 30, 31 and 32.

Chains

Land, rough broken mesa top and mesa wall.
Soil, sandstone, sandy and rocky.
Timber, none; underbrush, none;

General Description

The land in the south portion of the township consists of a basin known as Holeman Spring Basin. The main canyons within the township are Upheaval Canyon, Taylor Canyon, Trail Canyon and The Big Draw. The main mesas are Steer Mesa, Buck Mesa and Willow Flat. The elevation ranges from approximately 5800 ft. on NW. portion of Willow Flat to 3960 in Upheaval Canyon. There is scattered pinon and juniper growing throughout the township. The main undergrowth is mountain ash, sage, black brush and sparse mormon tea. There is sufficient grass for grazing cattle. There is a spring known as Holeman Spring located in section 27. There are several unimproved roads throughout the township. There is no one living within the township.

4-629
Feb 2, 1960)

FIELD ASSISTANTS

16-88605-2

CERTIFICATE OF CADASTRAL ENGINEER

I, Leland P. Lewis, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 7th day of May, 1954, I have surveyed a portion of the subdivisional lines of Township 27 South, Range 18 East

of the Salt Lake Meridian, in the State of Utah, which are represented in the foregoing field notes as having been executed by me and under my direction; and that said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

Moab, Utah

September 29, 1954

Leland P. Lewis
Leland P. Lewis
Cartographic Survey Aid

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., _____, 19____

The foregoing field notes of the survey of _____

executed by _____

having been critically examined and found correct, are hereby approved.

Chief, Division of Cadastral Engineering

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in _____, is a true copy of the original field notes.

Chief, Division of Cadastral Engineering

FIELD ASSISTANTS

16-53565-2

CERTIFICATE OF CADASTRAL ENGINEER

I, Chester A. Swiatek, HEREBY CERTIFY upon honor the
pursuance of special instructions bearing date of the 7th day of May,
I have surveyed a portion of the subdivisional lines of Township 27 South, Range 16
East

of the Salt Lake Meridian, in the State of Utah, which represented in the foregoing field notes as having been executed by me and under my direction; and the said survey has been made in strict conformity with said instructions, the Manual of Instructions for Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

Moab, Utah

September 29, 1954

Chester A. Swiatek
Cartographer (Cadastral)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., JUN 20 1955 19

The foregoing field notes of the survey of a portion of the subdivisional lines of
Township 27 South, Range 18 East

executed by Chester A. Swiatek, Cartographer (Cadastral) and Leland P. Lewis,
Cartographic Survey Aid
having been critically examined and found correct, are hereby approved.

~~Chief, Division of Cadastral Engineering~~
Acting Cadastral Engineering Staff of

~~CERTIFICATE OF TRANSCRIPT~~

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in _____, is a true copy of the original field notes.

~~Chief, Division of Cadastral Engineering.~~

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

of the survey of the

West Boundary and Portion of Subdivision of

T. 27 S., R. 19 E.

Of the Salt Lake Meridian,

the State of Utah

EXECUTED BY

Andrew Nelson, Cartographer (Cadastral)

Leland P. Lewis, Cartographic Survey Aid

supplemental special instructions dated May 7, 1954, approved May 18, 1954.

under special instructions dated Feb. 17, 1928, which provided

the surveys included under Group No. 188, approved March 8, 1928

and assignment instructions dated June 14, 1954

Survey commenced August 9, 1954

Survey completed Sept. 14, 1954

INDEX DIAGRAM

Township 27 South, Range 19 East

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3 19	20	21 11	22	23	24
3 20	21	22 10	23	24	25
2 21	22 24	23 28	9 24	25	8 26

16-56770-1

— Lines surveyed by Lewis.
 — Lines surveyed by Nelson.

West Boundary and Portion of Subdivision
T. 27 S., R. 19 E.

The east $\frac{1}{2}$ mile of the south boundary of T. 26 S., R. 19 E., was surveyed in 1926, by Moore and Yundt; the west $5\frac{1}{2}$ miles of the south boundary of T. 26 S., R. 19 E., was surveyed by Swiatek and Lewis, as contained in the field notes of the survey of T. 26 S., R. 19 E. The east boundary of T. 27 S., R. 19 E., was surveyed by Moore, Yundt and Swanholm, in 1926. The south boundary of T. 27 S., R. 19 E., was surveyed by Nelson and Lewis, as contained in the field notes of the survey of T. 28 S., R. 19 E.

This survey was executed with a Buff and Buff light mountain solar transit, serial number, 23442 and a W. and L. E. Gurley engineer's transit, serial number, 491037, equipped with full vertical circles and improved smith-type telescopic solar attachments, and conform to the standard instrumental specifications of the Bureau of Land Management. The instruments having been placed in satisfactory adjustment prior to the beginning of the survey, were maintained thereafter in precise adjustment throughout the progress of the survey.

Corners on the east-west lines were set on the true latitudinal curve. Lines connecting previously established corners were run by random and true method, but for simplification of the record, the random lines are omitted from the field notes. In accordance with the intent of the special instructions all subdivisional corners established are calculated to be at the positions they would occupy if the entire township were subdivided.

Measurements herein contained were made with a narrow steel tape, 6 chains in length, graduated every link for the first 100 links, and thereafter at intervals of every 10 links. The tape was tested by comparison with a 1-chain standard steel tape and found to be correct. Measurements were made on the slope with the vertical angle of each interval ascertained by two clinometers in good adjustment; the field notes showing the horizontal equivalents. All lines of this survey were run by direct method where the lines are accessible, lines inaccessible to chaining were run by traverse or triangulation methods. The details of such traverses or triangulations have been thoroughly verified and in order to simplify the record, the diagrams and reductions are omitted from these field notes.

The geographic position for the southeast corner of this township is in latitude $38^{\circ} 24' 08.9''$ N., and longitude $109^{\circ} 46' 14.3''$ W., as determined by traverse from U.S.C. & G.S. Triangulation Station 'Neck', situated in section 12, T. 28 S., R. 18 E.

August 7, 1954, on the south boundary of T. 27 S., R. 19 E., at the southeast corner of the township, in the above latitude and longitude, I make an hour angle observation of Polaris, east of the meridian, sighting on the $\frac{1}{4}$ cor. of secs. 31 and 36, $\frac{1}{2}$ mile north, with the following results:

Mean watch time of observation, p.m.	-----7h 09' 41"
Hour angle of Polaris	-----9h 55' 54"
True Azimuth	-----0° 36' 42"
Horizontal angle	-----0° 37' 26"
True bearing of reference line	-----N. 0° 00' 44" W.

The magnetic declination was read at a number of stations throughout the township, and the average of the readings was found to be, $15^{\circ} 15' 00''$.

Beginning at the corner of secs. 1; 6, 31 and 36, Ts. 27 and 28 S., Rs. 18 and 19 E., monumented with an iron post, $2\frac{1}{2}$ ins. diam., firmly set, mkd. and witnessed as described in the field notes of the survey of the west boundary of T. 28 S., R. 19 E.

Chains North, bet. secs. 31 and 36.

Over low rolling to broken land.

Ascend 10 ft. over slight, grassy, SW. slope.

4.00 Enter moderate juniper and pinon.

11.50 Low spur, sloping E., descend 10 ft. over open, general N. slope.

20.50 Small wash, course N. 25° E., thence over slight SE. slope.

24.85 Low spur, sloping N. 40° E., descend 100 ft. over sandy NW. slope, through scattered timber, with some sandstone outcroppings.

40.00 Point for the $\frac{1}{4}$ sec. cor. of the secs. 31 and 36.

Set an iron post, 1 ins. diam., 30 ins. long, 10 ins. in drillhole with brass cap mkd.

$\frac{1}{4}$
 S 36 | S 31
 19 54

Cor. is located on S. side of broken sandstone ledge, 20 ft. high, and 10 ft. up from bottom of ledge.

49.90 Extreme S. edge of 'Trail' Canyon, bears W. approx. 18 chs. thence NW. and E. to NE.

77.00 Thence by triangulation, descend 1,000 ft. to sec. cor. Wash, drains NE.

80.00 Point for the sec. cor. of the secs. 25, 30, 31 and 36.

Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, over 'X', on bedrock and in mound of stone, $5\frac{1}{2}$ ft. base to top of post, with brass cap mkd.

T 27 S
 R 18 E R 19 E
 S 25 | S 30
 S 36 | S 31
 19 54

Land: Steep, rough, broken.
 Soil: Sandy, with sandstone bedrock.
 Brush: None.
 Timber: None.

North, bet. secs. 25 and 30.

Through broken bottom of 'Trail' Canyon.

By chaining, ascend 45 ft. over rolling S. to SE. slope.

16.60 Spur, sloping N. 40° E., descend 270 ft. over broken, general, NW. slope to $\frac{1}{4}$ sec. cor.

37.00 Small drain, course N. 2° W., from S. 6° W.

40.00 Point for the $\frac{1}{4}$ sec. cor. of the secs. 25 and 30.

Set an iron post, 2½ ins. diam., 30 ins. long, 15 ins. in the ground, and in mound of stone, 5 ft. base to top of post, with brass cap mkd.

¼
S 25 | S 30

1954

Thence by triangulation, ascend 800 ft.

41.50 Trail Canyon wash channel, 25 lks. wide, 3 ft. deep, course N. 45° W.

64.00 Wash, course SW.

80.00 True point for the sec. cor. of secs. 19, 24, 25, and 30, falls on S. face (N. side) of Trail Canyon, where the monument cannot be perpetuated.

Land: Broken bottom of Trail Canyon.

Soil: Sandy, rocky.

Brush: None.

Timber: None.

North, bet. secs. 19 and 24.

Over rough, broken mesa.

By triangulation.

0.85 Extreme N. edge of Trail Canyon, bears E. and W., approx. 20 chs., thence NW.

1.06 Point for the witness sec. cor. of the secs. 19, 24, 25, and 30.

Set an iron post, 1 in. diam., 30 ins. long, 10 ins. in drillhole, with brass cap mkd.

T 27 S
R 18 E R 19 E

S 24 | S 19

S 25 ↓ S 30

W. C.

19 54

Thence by chaining, ascend 150 ft. over broken sandstone ledges, general S. slope.

12.20 Wash, 15 lks. wide, 2 ft. deep, course S. 10° W.

18.30 Top of ascent, leave sandstone ledges, bears E. and W., thence over nearly level land.

26.20 Top of ledge, 80 ft. high, bears N. 10° E. and S. 45° W., descend 155 ft. over general NW. slope.

37.10 Wash, 30 lks. wide, 4 ft. deep, course W. approx. 5 chs. thence S. 10° W., ascend 40 ft. over S. to SW. slope.

40.00 Point for the ¼ sec. cor. of the secs. 19 and 24.

Set an iron post, 1 in. diam., 30 ins. long, 10 ins. in drill hole, with brass cap mkd.

Chains

$\frac{1}{4}$
 S 24 | S 19

19 54

- 40.10 Base of sandstone butte, bears E. and W., with vertical ledge 200 ft. high, ascend 300 ft. over S. face of butte.
- 47.60 Top of ascent on butte, thence descend 480 ft. to witness sec. cor.
- 62.60 Small niche on E. face of butte with vertical ledge approx. 200 ft. high.
- 72.90 Point for the witness sec. cor. of the secs. 13, 18, 19, and 24.
- Set an iron post, 1 in. diam., 30 ins. long, 10 ins. in drillhole and in mound of stone, 4 ft. base to top of post, with brass cap

T 27 S
 W. C.
 R 18 E R 19 E
 S 13 ↑ S 18
 S 24 | S 19

19 54

- 73.15 S. edge of small canyon, bears N. 65° W. and S. 60° E., with vertical ledge approx. 250 ft. high.
- Thence by triangulation.
- 80.00 True point for the sec. cor. of the secs. 13, 18, 19, and 24, falls in small canyon, where the monument cannot be perpetuated.
- Land: Rough, broken mesa.
 Soil: Sandy and rocky, with sandstone outcroppings.
 Brush: Sparce sage.
 Timber: None.

North, bet. secs. 13 and 18.

Over rough, broken ledges, rims and canyons.

- 30.50 Approx. dist. to wash in bottom of canyon draining NW.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 13 and 18, in canyon.
- 44.30 N. edge of small canyon, bears N. 60° W. and S. 60° E.
- 44.86 Point for the witness $\frac{1}{4}$ sec. cor. of the secs. 13 and 18.
- Set an iron post, 1 in. diam., 30 ins. long, 10 ins. in drillhole and in a mound of stone, 3 ft. base to top of post, with brass cap

$\frac{1}{4}$
 S 13 ↓ S 18
 W. C.
 19 54

Thence by chaining.

- 50.90 S. edge of small canyon, bears E. and W., with vertical ledge approx. 200 ft. high, (heads approx. 30 chs. E.).
- 66.00 Wash, drains N. 85° W., continue over ledges, SW. to W. slope.
- 71.25 Point for the witness sec. cor. of the secs. 7, 12, 13, and 18.

Set an iron post, 1 in. diam., 30 ins. long, 15 ins. in drillhole, with brass cap mkd.

T 27 S
W. C.
R 18 E R 19 E
S 12 | S 7
S 13 | S 18
19 54

Cor. is located on middle of spur, projecting W. 20 lks. to end, and 40 lks. N. of edge of small canyon, approx. 800 ft. deep; also 50 lks. S. of edge of canyon, approx. 850 ft. deep.

30.00 True point for the sec. cor. of the secs. 7, 12, 13, and 18, falls on steep N. slope, where the monument cannot be perpetuated.

Land: Rough, broken, with numerous small canyons and spurs, draining and projecting W. to NW.

Soil: Sandy, with sandstone bedrock.

Brush: None.

Timber: None.

Counting from true point for cor. of secs. 7, 12, 13, and 18.

North, bet. secs. 7 and 12.

Over rough, broken canyons and rims.

6.50 Wash, drains N. 75° W.; ascend rocky SW. slope.

23.50 Top of spur, slopes N. 80° W.; desc. rough N. slope.

28.00 S. rim Taylor Canyon, bears N. 40° W. and S. 35° E., with vertical ledge approx. 800 ft. high.

40.00 Point for the 1/2 sec. cor. of the secs. 7 and 12.

Set an iron post, 2 1/2 ins. diam., 30 ins. long, 30 ins. in the ground, and in mound of stone, 4 ft. base to top of post, with brass cap mkd.

1
S 12 | S 7
19 54

Thence over rough, broken bottom of Taylor Canyon.

46.50 Taylor Canyon Wash, drains NW., junction of Rough Canyon from N., bears E. about 5 chs.

50.00 Low spur separating Rough and Taylor Canyons, thence along SE. slope.

60.50 Base of ledge; asc. steep SE. slope.

80.00 True point for the sec. cor. of the secs. 1, 6, 7, and 12, falls on steep SE. slope of Rough Canyon, where the monument cannot be perpetuated.

Land: Rough, broken bottom of canyon.

Soil: Sandy.

Brush: Moderate sage.

Timber: None.

North, bet. secs. 1 and 6.

By triangulation.

Chains

4.75 N. edge of Rough Canyon, bears N. 10° E. and S. 10° W., with vertical ledge approx. 500 ft. high.

Thence by chaining, ascend 5 ft. over slight, broken SE. slope.

7.86 Point for the witness sec. cor. of the secs. 1, 6, 7, and 12.

Set an iron post, 1 in. diam., 30 ins. long, 10 ins. in drillhole and in mound of stone, 3 ft. base to top of post, with brass cap mkd.

	T 27 S	
R 18	E R 19 E	
S 1	S 6	
S 12	S 7	
	↓	
	W. C.	
	19 54	

Thence cont. to ascend 20 ft. over general SE. slope, through moderate juniper.

24.00 Spur, sloping W. from N. 30° E., thence descend 20 ft. over general NW. slope through scattered timber.

40.00 Point for the $\frac{1}{4}$ sec. cor. of the secs. 1 and 6.

Set an iron post, 1 in. diam., 30 ins. long, 10 ins. in drillhole, with brass cap mkd.

	$\frac{1}{4}$	
S 1	S 6	
	↓	
	19 54	

from which

A juniper, 8 ins., diam., bears N. 37° E., 86 lks. dist., mkd.
 $\frac{1}{4}$ S6 BT.

A juniper, 8 ins., diam., bears S. 42 $\frac{1}{2}$ ° W., 101 lks. dist., mkd.
 $\frac{1}{4}$ S1 BT.

Thence cont. to descend 80 ft. over general NW. slope through scattered juniper, some pinon.

59.00 Slope changes to general N.

70.35 Wash, 30 lks. wide, 4 ft. deep, course S. 80° W., thence ascend 25 ft. over rolling, sandstone S. slope.

80.00 Point for the 1/16 cor. of the secs. 1 and 6.

Set an iron post, 1 in. diam., 30 ins. long, 10 ins. in drillhole and in mound of stone, 3 ft. base to top of post, with brass cap mkd.

	1/16	
S 1	S 6	
	↓	
	19 54	

Thence cont. to ascend 30 ft. over S. slope.

86.00 Wash, 20 lks. wide, 2 ft. deep, course S. 40° E.

86.38 Int. the S. bdy. of T. 26 S., R. 18 E., on the S. bdy. of sec. 36.

Chains

Point for the closing corner of secs. 1 and 6.

Set an iron post, 1 ins. diam., 30 ins. long, 10 ins. in drillhole with brass cap mkd.

T 26 S R 18 E
S 36
S 1 | S 6
C | C
R 18 E R 19 E
T 27 S
19 54

From this point, the $\frac{1}{4}$ cor. of sec. 36, bears west, 9.78 chs. dist., monumented by an iron post, 2 $\frac{1}{2}$ ins. diam., firmly set, mkd. and witnessed as described in the field notes of the survey of T. 26 S., R. 18 E.

From the same point, the cor. of Ts. 26 S., Rs. 18 and 19 E., bears east, 30.22 chs. dist., monumented by an iron post, 2 $\frac{1}{2}$ ins. diam., firmly set, mkd. and witnessed as described in the field notes of the survey of T. 26 S., R. 19 E.

Land: Rough, broken to rolling.
Soil: Sandy, with sandstone bedrock.
Brush: Moderate sage, some cacti.
Timber: Moderate to scattered juniper, some pinon.

Partial Subdivision of T. 27 S., R. 19 E.

From the cor. of secs. 1, 2, 35 and 36, on the south boundary of the township.

N. 0° 01' W., bet. secs. 35 and 36.

Over gradual, general S. slope.

Ascend 90 ft. to witness $\frac{1}{4}$ sec. cor.

2.10 Fladed road, bears N. 50° W. and S. 40° E.

15.90 Shallow wash, course S. 60° W.

22.25 Wash, 30 lks. wide, 2 ft. deep, course S. 65° W.,

39.60 Point for the witness $\frac{1}{4}$ sec. cor. of the secs. 35 and 36.

Set an iron post, 2 $\frac{1}{2}$ ins. diam., 30 ins. long, 10 ins. in the ground, and in mound of stone, 4 ft. base to top of post, with brass cap mkd.

W. C.
S 35 | S 36
19 54

40.00 True point for the $\frac{1}{4}$ sec. cor. of the secs. 35 and 36, falls in wash, 15 lks. wide, 2 ft. deep, course S. 10° W., where the monument cannot be perpetuated.

Chains
42.00

Base of broken sandstone ledge, bears SW. and SE., ascend 1,000 ft. over S. face of broken ledge.

62.00

Top of ascent on vertical ledge, approx. 400 ft. high, on S. edge isolated mesa spur.

65.00

Saddle, bears N. 60° E. and S. 60° W.

68.00

N. edge of isolated mesa spur, with vertical ledge approx. 400 ft. high, bears NW. and NE. to E., thence descend 700 ft. over general N. slope to sec. cor.

80.00

Point for the sec. cor. of the secs. 25, 26, 35 and 36.

Set an iron post, 1 ins. diam., 30 ins. long, 10 ins. in drillhole and in mound of stone, 4 ft. base to top of post, with brass cap

T 27 S R 19 E

S 26	S 25
------	------

S 35	S 36
------	------

19 54

Cor. is located on sandstone outcropping.

Land: Gradually sloping to steep, rough, broken.

Soil: Sandy, with some sandy clay.

Brush: None.

Timber: None.

From the cor. of secs. 25, 30, 31 and 36, on the E. boundary of the township, monumented by an iron post, 2 ins. diam., firmly set, mkd. and witnessed as described in the official record.

West, bet. secs. 25 and 36.

Over rough, broken rims and ledges.

Ascend 900 ft. over broken SE. slope.

25.00

Point of spur, from S. 40° W., with vertical ledge approx. 350 ft. high, thence over rough, broken, precipitous N. slope.

40.00

Point for the sec. cor. of the secs. 25 and 36.

Set an iron post, 1 ins. diam., 30 ins. long, 10 ins. in drillhole and in mound of stone, 4½ ft. base to top of post, with brass cap

S 25

4

S 36

19 54

Cor. is located 3.50 chs. N. of/and approx. 120 ft. below vertical ledge, bears E. and W., approx. 300 ft. high; also 410 ft. above base of talus slope.

Thence cont. over precipitous N. slope.

54.00

Top of spur, projecting N. approx. 7.50 chs. to end, cont. over precipitous N. slope.

80.00

The cor. of secs. 25, 26, 35 and 36.

Land: Steep, rough, broken, general N. slope.

317

9
Partial Subdivision of T. 27 S., R. 19 E.

Chains

Soil: Sandy, with some sandy clay and sandstone bedrock.
Brush: None.
Timber: None.

From the cor. of secs. 3, 4, 33 and 34, on the south boundary of the township, monumented by an iron post, 2½ ins. diam., firmly set, mkd. and witnessed as described in the field notes of the survey of T. 28 S., R. 19 E.

N. 0° 02' W., bet. secs. 33 and 34.

Over gentle rolling land, through 'Grays' pasture.

Ascend 155 ft. over general S. slope, through small glade.

13.50 Leave glade, enter sandstone bedrock.

22.30 Leave sandstone bedrock, cont. over sandy S. slope.

30.00 Top of ascent on spur, sloping E., descend 20 ft. over general NE. slope through moderate juniper and pinon, to ¼ sec. cor.

40.00 Point for the ¼ sec. cor. of the secs. 33 and 34.

Set an iron post, 1 ins. diam., 30 ins. long, 10 ins. in drillhole and in mound of stone, 5 ft. base to top of post, with brass cap mkd.

$\frac{1}{4}$
 S 33 | S 34
 19 54

from which

A pinon, 18 ins., diam., bears S. 13¼° E., 140 lks. dist., mkd.
¼ S34 BT.

A juniper, 10 ins., diam., bears N. 60° W., 12 lks. dist., mkd.
¼ S33 BT.

Cont. to descend 10 ft. over general NE. slope through moderate timber.

54.90 Small wash, course S. 70° E., ascend 10 ft. over sandy, rolling S. slope.

56.30 Low spur, sloping E., leave timber and descend 25 ft. over rolling N. slope.

72.00 Enter moderate timber.

79.00 Wash, 15 lks. wide, 2 ft. deep, course N. 40° E., ascend 10 ft. over SE. slope.

80.00 Point for the sec. cor. of the secs. 27, 28, 33 and 34.

Set an iron post, 2½ ins. diam., 30 ins. long, 18 ins. in the ground, and in mound of stone, 4 ft. base to top of post, with brass cap mkd.

T 27 S R 19 E
 S 28 | S 27
 S 33 | S 34

19 54

245

Chains from which

A juniper, 6 ins., diam., bears N. 25° E., 104 lks. dist., mkd. S27 BT.

A juniper, 6 ins., diam., bears S. 73° E., 83 lks. dist., mkd. BT.

A juniper, 8 ins., diam., bears S. 89 $\frac{1}{4}$ ° W., 104 lks. dist., mkd. T27S R19E S33 BT.

Land: Gentle rolling.

Soil: Sandy loam.

Brush: Moderate sage, some cacti.

Timber: Scattered to moderate juniper and pinon.

N. 0° 02' W., bet. secs. 27 and 28.

Over gentle rolling land, through 'Grays' pasture.

General SE. slope.

- 3.50 Low spur, sloping N. 50° E., thence slight descent over N. slope.
- 32.00 Wash, 30 lks. wide, 2 ft. deep, course N. 10° W., from S. 65° E.
- 39.90 Small wash, course N. 45° W.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of the secs. 27 and 28.

Set an iron post, 2 $\frac{1}{2}$ ins. diam., 30 ins. long, 20 ins. in the ground, with brass cap mkd.

	1	
S 28		S 27
	19	54

Deposit a sandstone, 6"x4"x4", mkd. 'X', alongside of cor.

Thence cont. over low rolling land, general MW. slope.

- 45.25 Wash, 30 lks. wide, 2 ft. deep, course N. 45° W., from S. 40° E., thence through meadow.
- 60.00 Small wash, course N. 40° E.
- 80.00 Point for the sec. cor. of the secs. 21, 22 27, and 28,

Set an iron post, 2 $\frac{1}{2}$ ins. diam., 30 ins. long, 20 ins. in the ground, with brass cap mkd.

T 27 S R 19 E	
S 21	S 22
S 28	S 27
19 54	

Deposit a sandstone, 1"x2"x2", mkd. 'X', alongside of cor.

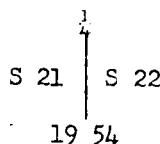
Land: Gentle rolling.

Soil: Sandy loam.

Brush: Moderate sage, some brigham tea.

Timber: None.

Chains N. 0° 02' W., bet. secs. 21 and 22.
Over gentle rolling land, through 'Grays' pasture.
General S. slope, through meadow.
0.70 Small wash, course S. 70° E.
15.00 Bladed road, bears N. 60° E. and S. 60° W., SW. to 'Grand River' point.
24.00 Leave meadow.
26.00 Point of low sandstone spur, from E.
28.00 Enter heavy juniper and pinon, slope changes to NW.
31.50 Small wash, course N. 40° W.
40.00 Point for the $\frac{1}{4}$ sec. cor. of the secs. 21 and 22.
Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, 20 ins. in the ground, with brass cap mkd.



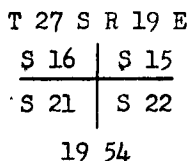
from which

A juniper, 10 ins., diam., bears S. 61° E., 65 lks. dist., mkd.
 $\frac{1}{4}$ S22 BT.

A juniper, 6 ins., diam., bears S. 65 $\frac{1}{2}$ ° W., 98 lks. dist., mkd.
 $\frac{1}{4}$ S21 BT.

Thence cont. over sandy, rolling NW. slope.

41.00 Small wash, course N. 30° W.
45.45 Spur, sloping N. 40° W., thence descend 230 ft. to sec. cor. over NE. slope.
54.00 Slope changes to N.
60.00 Leave 'Grays' pasture.
63.15 S. rim Taylor Canyon, with vertical ledge approx. 100 ft. high, bears NW. and SE.
70.00 E. face of spur.
78.00 Spur, sloping N. 40° E., descend slight NW. slope.
80.00 Point for the sec. cor. of the secs. 15, 16, 21 and 22.
Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, 20 ins. in the ground, with brass cap mkd.



250

Chains	from which
	<p>A juniper, 6 ins., diam., bears N. 16° E., 71 lks. dist., mkd. S15 BT.</p> <p>A pinon, 7 ins., diam., bears S. 59½° E., 39 lks. dist., mkd. T27S R19E S22 BT.</p> <p>A pinon, 6 ins., diam., bears S. 55½° W., 50 lks. dist., mkd. S21 BT.</p> <p>A juniper, 6 ins., diam., bears N. 28½° W., 60 lks. dist., mkd. S16 BT.</p> <p>Land: Sloping to rolling. Soil: Sandy loam. Brush: Moderate sage, some cacti. Timber: Heavy juniper and pinon.</p>
	<p>N. 0° 02' W., bet. secs. 15 and 16.</p> <p>Through 'Taylor' Canyon (near head).</p> <p>Descend 170 ft. over broken, general N. slope.</p>
14.20	(S. edge) wash channel, bears N. 40° W. and S. 40° E.
15.85	Bottom wash channel, course N. 40° W.
17.20	(N. edge) wash channel, bears N. 40° W. and S. 40° E.
28.25	Bottom of descent in wash channel, course W., thence ascend 125 ft. over broken sandstone ledges, general S. slope.
37.00	Spur, sloping W. approx. 6 chs. to end, descend 10 ft. over N. slope.
40.00	Point for the ¼ sec. cor. of the secs. 15 and 16.
	<p>Set an iron post, 1 ins. diam., 30 ins. long, 10 ins. in drillhole and in mound of stone, 3 ft. base to top of post, with brass cap mkd.</p> <div style="text-align: center;"> <p>1</p> <p>S 16 S 15</p> <p>19 54</p> </div>
	<p>from which</p> <p>A pinon, 6 ins., diam., bears S. 7¼° E., 64 lks. dist., mkd. ¼ S15 BT.</p> <p>A juniper, 6 ins., diam., bears S. 58½° W., 8 lks. dist., mkd. BT.</p> <p>Thence cont. to descend 35 ft. over broken, general N. slope.</p>
44.30	Small wash, course S. 70° W.; ascend 20 ft. over sandstone, sloping to S.
50.35	Small wash, course S. 35° W., base of broken ledge, ascend 260 ft. over broken S. face of ledge.
61.30	Top of ascent on N. rim 'Taylor' Canyon, bears E. approx. 16 chs. thence approx. S. 20° E. and W. approx. 14 chs. thence S. 40° E., thence over 'Red Sea Flat'.

Chains

68.50

Low spur, sloping W., descend 60 ft. over rolling N. slope.

78.35

Small wash, course W., leave timber.

80.00

Point for the sec. cor. of the secs. 9, 10, 15 and 16.

Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, 20 ins. in the ground, with brass cap mkd.

T 27 S R 19 E

S 9	S 10
S 16	S 15

19 54

Deposit a sandstone, 8"x4"x3", mkd. 'X', alongside of cor.

Land: Steep, rough, broken to rolling.

Soil: Sandy, with sandstone bedrock.

Brush: Scattered sage.

Timber: None.

N. $0^{\circ} 02'$ W., bet. secs. 9 and 10.

Across 'Red Sea Flat'.

General N. slope.

9.00

Enter moderate juniper and pinon.

16.00

Slope changes to NW.

31.70

Small wash, course W.

39.00

Small wash, course W.

40.00

Point for the $\frac{1}{4}$ sec. cor. of the secs. 9 and 10.

Set an iron post, 1 ins. diam., 30 ins. long, 10 ins. in drillhole, with brass cap mkd.

S 9	S 10
-----	------

19 54

from which

A juniper, 8 ins., diam., bears N. $37\frac{3}{4}^{\circ}$ E., 42 lks. dist., mkd. $\frac{1}{4}$ S10 BT.A juniper, 10 ins., diam., bears S. $55\frac{1}{2}^{\circ}$ W., 106 lks. dist., mkd. $\frac{1}{4}$ S9 BT.

Cor. is located on S. portion of sandstone outcropping, extending E., 35 lks., W., 100 lks., and N. 80 lks.

Thence cont. over low rolling land.

42.50

Wash, 15 lks. wide, 2 ft. deep, course S. 15° W., approx. 3.50 chs. thence S. 35° W.

50.20

Junction of washes, course S. 85° W., from E. and N. 70° E.

Chains
72.00

Spur, sloping W.

80.00

Point for the sec. cor. of the secs. 3, 4, 9 and 10.

Set an iron post, 2½ ins. diam., 30 ins. long, 15 ins. in the ground, and in mound of stone, 4 ft. base to top of post, with brass cap mkd.

T 27 S R 19 E

S 4	S 3
S 9	S 10

19 54

from which

A pinon, 18 ins., diam., bears S. 53 3/4° E., 105 lks. dist., mkd.
T27S R19E S10 BT.

A pinon, 12 ins., diam., bears S. 64° W., 102 lks. dist., mkd.
T27S R19E S9 BT.

A pinon, 14 ins., diam., bears N. 69½° W., 31 lks. dist., mkd.
T27S R19E S4 BT.

Deposit a sandstone, 2"x4"x2", mkd. 'X', alongside of cor.

Land: Gentle sloping.

Soil: Sandy loam, with some sandstone outcroppings.

Brush: Moderate sage, some brigham tea.

Timber: Moderate juniper and pinon.

N. 0° 02' W., bet. secs. 3 and 4.

Across 'Red Sea Flat'.

Through moderate juniper and pinon, general N. slope.

5.85

Wash, 20 lks. wide, 2 ft. deep, course, N. 45° W., approx. 10 chs. thence N. 60° W.

8.00

Low spur, sloping N. 45° W., 1 ch. to end.

14.00

Small wash, course N. 45° W.

17.00

Low spur, sloping N. 40° W., approx. 2 chs. to end.

28.50

Rut road, bears E. and S. 70° W.

31.40

Wash, 20 lks. wide, 3 ft. deep, course S. 70° W., thence ascend slight, rolling S. slope, through heavy timber.

36.00

Enter sandstone bedrock.

40.00

Point for the ¼ sec. cor. of the secs. 3 and 4.

Set an iron post, 1 ins. diam., 30 ins. long, 10 ins. in drillhole, with brass cap mkd.

S 4	S 3
19 54	

Chains from which

A pinon, 6 ins., diam., bears S. 18° E., 36 lks. dist., mkd.
1/4 S3 BT.

A pinon, 20 ins., diam., bears S. $89\frac{1}{2}^{\circ}$ W., 55 lks. dist., mkd.
1/4 S4 BT.

Thence cont. over rolling S. slope.

50.00 Leave sandstone bedrock.

57.45 Small wash, course S. 70° W.

60.00 Leave heavy timber, cont. through moderate timber.

79.00 Low spur, sloping S. 80° W.

80.00 Point for the 1/16 cor. of the secs. 3 and 4.

Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, 20 ins. in the ground, and in mound of stone, 3 ft. base to top of post, with brass cap mkd.

1/16
S 4 | S 3
80
19 54

from which

A pinon, 8 ins., diam., bears N. 63° E., 43 lks. dist., mkd.
1/16 S3 80 BT.

A pinon, 6 ins., diam., bears S. $79\frac{1}{2}^{\circ}$ W., 11 lks. dist., mkd.
1/16 S4 80 BT.

86.49 Int. S. bdy. of T. 26 S., R. 19 E., on the S. bdy. of sec. 33.

Point for the closing corner. of secs. 3 and 4.

Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, 20 ins. in the ground, with brass cap mkd.

T 26 S R 19 E
S 33
S 4. | S 3.
C. C.
T 27 S R 19 E
19 54

from which

A pinon, 10 ins., diam., bears S. $33\frac{1}{2}^{\circ}$ E., 50 lks. dist., mkd.
T27S R19E S3 CC BT.

A pinon, 9 ins., diam., bears S. $67\frac{1}{2}^{\circ}$ W., 47 lks. dist., mkd.
T27S R19E S4 CC BT.

From this point, the 1/4 cor. of sec. 33 bears west, 7.94 chs. dist., monumented by an iron post, $2\frac{1}{2}$ ins. diam., firmly set, mkd. and witnessed as described in the field notes of the survey of T. 26 S., R. 19 E.

Chains

Land: Rolling, sloping.
 Soil: Sandy loam, with some sandstone outcroppings.
 Brush: Moderate sage and cacti, some brigham tea.
 Timber: Heavy to moderate juniper and pinon.

Point for the closing cor. of secs. 1 and 2 at proportionate dist. bet. the cor. of Ts. 27 S., Rs. 19 and 20 E., and the closing cor. of secs. 3 and 4, T. 27 S., R. 19 E.

Set an iron post, 1 ins. diam., 30 ins. long, 10 ins. in drillhole and in mound of stone, 3 ft. base to top of post, with brass cap mkd.

T 26 S R 19 E

S 35

S 2 | S 1

G. C.

T 27 S R 19 E

19 54

From this point, the witness $\frac{1}{4}$ cor. of sec. 35, on the south boundary of T. 26 S., R. 19 E., bears east, 1.86 chs. dist., monumented by an iron post, $2\frac{1}{2}$ ins. diam., firmly set, mkd. and witnessed as described in the field notes of the survey of T. 26 S., R. 19 E. and true point for the $\frac{1}{4}$ sec. cor. of sec. 35, bears West, 8.14 chs. dist..

Point for the closing cor. of secs. 2 and 3 at proportionate dist. bet. the cor. of Ts. 27 S., Rs. 19 and 20 E., and the closing cor. of secs. 3 and 4, T. 27 S., R. 19 E.

Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, 20 ins. in the ground, and in mound of stone 3 ft. base to top of post, with brass cap mkd.

T. 26 S R 19 E

S 34

S 3 | S 2

G. C.

T 27 S R 19 E

19 54

From this point, the $\frac{1}{4}$ cor. of sec. 34, on the south boundary of T. 26 S., R. 19 E., bears west, 8.04 chs. dist., monumented by an iron post, $2\frac{1}{2}$ ins. diam., firmly set, mkd. and witnessed as described in the field notes of the survey of T. 26 S., R. 19 E.

At midpoint on the north boundary of sec. 2, T. 27 S., R. 19 E.

Point for the $\frac{1}{4}$ cor. of sec. 2.

Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, 20 ins. in the ground, with brass cap mkd.

S 2

19 54

from which

A juniper, 10 ins., diam., bears S. 46° W., 29 lks. dist., mkd.
¼ S2 BT.

Deposit a sandstone, 1"x1"x1", mkd. 'X', alongside of cor.

From this point, the cor. of secs. 34 and 35, on the south boundary of T. 26 S., R. 19 E., bears west, 8.09 chs. dist., monumented by an iron post, 2½ ins. diam., firmly set, mkd. and witnessed as described in the field notes of the survey of T. 26 S., R. 19 E.

From the closing cor. of secs. 2 and 3, T. 27 S., R. 19 E.

S. 0° 01' E., bet. secs. 2 and 3.

Over low rolling land, across 'Red Sea Flat'.

Slight descent over SE. slope through scattered juniper and pinon.

6.61 Point for the 1/16 cor. of secs. 2 and 3.

Set an iron post, 2½ ins. diam., 30 ins. long, 20 ins. in the ground, with brass cap mkd.

1/16
S 3 | S 2
8 0
19 54

Deposit a sandstone, 6"x10"x2", mkd. 'X', alongside of cor.

20.00 Low spur, sloping S. 40° E.

22.00 Enter moderate timber.

37.90 Small wash, course W.

43.00 Low flat spur, sloping W., enter sandstone bedrock.

46.61 Point for the ¼ sec. cor. of the secs. 2 and 3.

Set an iron post, 1 ins. diam., 30 ins. long, 10 ins. in drillhole and in mound of stone, 3 ft. base to top of post, with brass cap mkd.

¼
S 3 | S 2
19 54

Deposit a sandstone, 3"x2"x3", mkd. 'X', alongside of cor.

Thence cont. over low rolling land.

81.45 Rut road, brs. N. 40° E. and S. 60° W., leave sandstone bedrock.

82.00 Leave timber.

86.61 Point for the sec. cor. of the secs. 2, 3, 10 and 11.

Set an iron post, 2½ ins. diam., 30 ins. long, 20 ins. in the ground, and in mound of stone, 3 ft. base to top of post, with brass cap mkd.

Chains

T 27 S R 19 E

S 3 | S 2

S 10 | S 11

19 54

Deposit a sandstone, 3"x3"x2", mkd. 'X', alongside of cor.

Cor. is located 1 ch. W. of rut road, bears N. and S.

Land: Low rolling.

Soil: Sandy loam.

Brush: Moderate sage, some brigham tea.

Timber: Scattered to moderate juniper and pinon.

S. 89° 55' E., bet. secs. 2 and 11.

Over low rolling land, across 'Red Sea Flat.'

1.00 Rut, road, bears N. and S.

3.00 Enter moderate juniper and pinon.

18.20 Small wash, course S., approx. 8 chs. thence S. 40° E.

21.00 Low spur, sloping S., leave timber.

35.00 Leave 'Red Sea Flat'.

36.10 Point for the Witness $\frac{1}{4}$ sec. cor. of the secs. 2 and 11.

Set an iron post, 1 ins. diam., 30 ins. long, 10 ins. in drillhole with brass cap mkd.

W. C.
S 2
 $\frac{1}{4}$ → S 11

19 54

36.20 W. rim, south fork, 'Shafer' Canyon, bears N. approx. 8 chs. thence N. 75° E., and S. 5° E., approx. 6 chs. thence S. 45° E., with a vertical ledge, approx. 700 ft. high, descend 1,000 ft. to sec. cor.

40.00 True point for the $\frac{1}{4}$ sec. cor. of the secs. 2 and 11, falls on precipitous SE. slope, where the monument cannot be perpetuated.

80.00 Point for the sec. cor. of the secs. 1, 2, 11 and 12.

Set an iron post, 2 $\frac{1}{2}$ ins. diam., 30 ins. long, 12 ins. in the ground, and in mound of stone, 4 ft. base to top of post, with brass cap mkd.

T 27 S R 19 E

S 2 | S 1

S 11 | S 12

19 54

Cor. is located on extremely steep, S. slope.

Land: Low rolling to steep, rough, broken.

Soil: Sandy and sandy loam, with some sandstone bedrock.

Brush: Scattered sage, some cacti.

Timber: Moderate juniper and pinon.

Chains	N. 0° 01' W., bet. secs. 1 and 2. Over rough, broken rims and ledges, precipitous E. slope. Along W. edge of middle fork, 'Shafer' Canyon.
40.00	True point for the $\frac{1}{4}$ sec. cor. of the secs. 1 and 2, falls on steep, loose, broken, talus slope, general E. slope, where the monument cannot be perpetuated.
50.30	Rim, bears N. 40° E. and SE. to S., with vertical ledge, approx. 700 ft. high.
50.90	Set an iron post, 1 ins. diam., 30 ins. long, 10 ins. in drillhole and in mound of stone, 3 ft. base to top of post, with brass cap mkd. <div style="text-align: center;">W. P. S 2 S 1 19 54</div>
56.00	Rim, bears N. 75° W. and S. 60° E., with vertical ledge, approx. 800 ft. high, cont. over precipitous E. slope, descend 1,000 ft. to 1/16 cor.
80.00	Point for the 1/16 cor. of secs. 1 and 2. Set an iron post, 2 $\frac{1}{2}$ ins. diam., 30 ins. long, over 'X', on sandstone bedrock, and in mound of stone 4 $\frac{1}{2}$ ft. base to top of post, with brass cap mkd. <div style="text-align: center;">1/16 S 2 S 1 810 19 54</div>
86.73	The closing cor. of secs. 1 and 2. Land: Rough broken, rims and ledges. Soil: Sandy, rocky, with sandstone bedrock. Brush: None. Timber: None.
<hr/>	
	From the cor. of secs. 15, 16, 21 and 22. West, bet. secs. 16 and 21. Over rough, broken land, through moderate juniper and pinon.
1.00	Low spur, sloping N. 3° E., descend 40 ft. over W. slope.
3.35	Ravine, 2 chs. wide, course N. 5° E., ascend 45 ft. over E. slope.
5.00	Spur, sloping N. approx. 9 chs. to end, descend 120 ft. over W. slope.
9.00	Ravine, 5 chs. wide, course N. 10° E., (heads approx. 5 chs. SW.) ascend 180 ft. over general E. slope.
13.00	Spur, sloping N. 10° E., enter heavy timber, descend 25 ft. over W. slope.
17.40	Wash, 15 lks. wide, 3 ft. deep, course N. 15° E., ascend 50 ft. over E. slope.

Chains
23.50Spur, sloping N. 5° E., leave timber, descend 100 ft. over rolling W. slope to $\frac{1}{4}$ sec. cor.

27.00

Enter moderate timber.

40.00

Point for the $\frac{1}{4}$ sec. cor. of the secs. 16 and 21.Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, 20 ins. in the ground, and in mound of stone, 3 ft. base to top of post, with brass cap mkd.

S 16

S 21

19 54

from which

A pinon, 20 ins., diam., bears S. 56° W., 53 lks. dist., mkd.
 $\frac{1}{4}$ S 21 BT.A juniper, 18 ins., diam., bears N. 82° W., 38 lks. dist., mkd.
 $\frac{1}{4}$ S 16 BT.

Deposit a sandstone, 6"x4"x1", mkd. 'X', alongside of cor.

Thence cont. to descend 165 ft. over series of ravines, draining N. to NE., general W. slope.

51.25

Ravine, 30 lks. wide, 10 ft. deep, drains N. 20° W., (heads approx. 30 chs. SE.) end of series of ravines, ascend 150 ft. over broken sandstone ledges, general E. slope.

60.35

Top of ascent on ledge, bears N. and S., cont to ascend 15 ft. over general NE. slope through moderate timber.

71.60

Spur, sloping N. 5° W., descend 50 ft. over rolling W. slope to witness sec. cor.

77.90

Point for the witness sec. cor. of the secs. 16, 17, 20 and 21.

Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, 15 ins. in the ground, and in mound of stone, 4 ft. base to top of post, with brass cap mkd.

W. C.

T 27 S R 19 E

S 17 | S 16

S 20 | S 21

19 54

78.15

E. edge of canyon, bears N. approx. 7 chs. thence NW. and S. 5° E., (heads approx. 25 chs. S.) with vertical ledge approx. 100 ft. high, approx. 750 ft. to bottom of canyon.

80.00

True point for the sec. cor. of the secs. 16, 17, 20 and 21, falls on talus slope of canyon, where the monument cannot be perpetuated.

Land: Rough, broken.

Soil: Sandy, rocky.

Brush: None.

Timber: Scattered to moderate juniper and pinon.

Chains	Counting from the true point for cor. of secs. 16, 17, 20, and 21. N. 0° 03' W., bet. secs. 16 and 17.
	Over rough, broken rims and ledges.
	Ascend 100 ft. along W. to NW. slope.
10.00	Top of ascent on rim, bears N. 10° W. and S.
15.00	Enter moderate juniper and pinon, thence over rolling to broken mesa.
24.00	Spur, sloping W. approx. 10 chs. to end.
30.00	Leave timber, enter sandstone bedrock.
38.00	Point for the witness 1 sec. cor. of the secs. 16 and 17. Set an iron post, 1 ins. diam., 30 ins. long, 10 ins. in drillhole with brass cap mkd.
	<div style="text-align: center;"> <p>W. C. S 17 ↑ S 16 19 54</p> </div>
38.10	S. edge of 'Taylor' Canyon, bears NW. and SE., with vertical ledge approx. 700 ft. high. Thence by triangulation, descend 80 ft.
40.00	True point for the 1 sec. cor. of the secs. 16 and 17, falls on loose broken, N. slope, on S. side 'Taylor' Canyon, where the monument cannot be perpetuated.
66.19	N. edge of 'Taylor' canyon, bears N. 30° W. and S. 30° E., with vertical ledge approx. 750 ft. high. Thence by chaining, ascend 50 ft. over broken sandstone, general S. slope.
74.00	Spur, sloping W. approx. 18 chs. to end, thence descend 45 ft. over broken N. slope.
78.30	Point for the witness sec. cor. of the secs. 8, 9, 16 and 17. Set an iron post, 2 ins. diam., 30 ins. long, 10 ins. in the ground, and in mound of stone, 5 ft. base to top of post, with brass cap mkd.
	<div style="text-align: center;"> <p>W. C. T 27 S R 19 E S 8 ↑ S 9 S 17 S 16 19 54</p> </div>
78.60	S. edge of ravine, bears N. 30° E. and S. 70° W., with vertical ledge approx. 70 ft. high.
80.00	True point for the sec. cor. of the secs. 8, 9, 16 and 17, falls in ravine, where the monument cannot be perpetuated. Land: Rough, broken. Soil: Sandy, with sandstone bedrock. Brush: Sparse sage, some cacti. Timber: Moderate juniper and pinon, S. 1/4 mile.

Chains	From the cor. of secs. 9, 10, 15 and 16.
	S 29° 59' W., bet. secs. 9 and 16.
	Across 'Red Sea Flat'.
	Descend 255 ft. to $\frac{1}{4}$ sec. cor. over general NW. slope.
4.00	Small wash, course S. 80° W., from S. 65° E., enter moderate juniper and pinon.
6.60	Same wash, course N. 40° W.
9.40	Same wash, course S. 40° W.
12.35	Same wash, course N. 40° W.
13.00	Slope changes to W.
24.00	Sandstone ledge, bears N. 10° E. and S. 15° W., 150 ft. high.
39.98	Point for the $\frac{1}{4}$ sec. cor. of the secs. 9 and 16.
	Set an iron post, 1 ins. diam., 30 ins. long, 10 ins. in drillhole with brass cap mkd.
	<div style="text-align: center;"> $\begin{array}{r} S\ 29^{\circ} \\ \hline S\ 16 \\ 19\ 54 \end{array}$ </div>
	Cor. is located on W. side of sandstone outcropping, 80 lks. wide, 30 lks. long.
	Thence cont. to descend 100 ft. over W. slope to sec. cor., over sandstone outcroppings.
44.00	Enter heavy timber.
50.10	Wash, 20 lks. wide, 3 ft. deep, course N. 25° W.
55.00	Slope changes to N. (S. edge of a ravine bears N. approx. 5 chs.).
70.00	S. edge of ravine, bears N. 25° E. and S. 30° W.
72.96	The true point for cor., of, secs. 8, 9, 16, and 17.
	Land: Rolling to broken.
	Soil: Sandy loam and sandy, with sandstone bedrock.
	Brush: Moderate sage, some cacti.
	Timber: Moderate to heavy juniper and pinon.
	From the cor. of secs. 4, 5, 32 and 33, on the S. bdy. of the township, monumented by an iron post, 2 $\frac{1}{2}$ ins. diam., firmly set, mkd. and witnessed as described in the field notes of the survey of T. 27 S., R. 19 E.
	N. 0° 03' W., bet. secs. 32 and 33.
	Across 'Grays' pasture.
	Descend 85 ft. over general NW. slope to $\frac{1}{4}$ sec. cor.
20.00	Slope changes to N.
36.00	Wide, flat, wash, course N. 60° W.

23
Partial Subdivision of T. 27 S., R. 19 E.

Chains
58.00

Point for the $\frac{1}{4}$ sec. cor. of the secs. 32 and 33.

Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, 20 ins. in the ground, with brass cap mkd.

S 32 | S 33

19 54

Deposit a sandstone, 4"x4"x2", mkd. 'X', alongside of cor.

Thence ascend 30 ft. over general SE. slope to sec. cor.

62.90

Rut road, bears N. 20° E. and S. 20° W.

67.00

Graded road, bears N. 5° E. and S. 5° W.

80.00

Point for the sec. cor. of the secs. 28, 29, 32 and 33.

Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, 20 ins. in the ground, with brass cap mkd.

T 27 S R 19 E

S 29 | S 28

S 32 | S 33

19 54

Deposit a sandstone, 1"x2"x2", mkd. 'X', alongside of cor.

Land: Gentle sloping.

Soil: Sandy loam.

Brush: Moderate sage and grass.

Timber: None.

From the cor. of secs. 5, 6, 31 and 32, on the S. bdy. of the township, monumented by an iron post, $2\frac{1}{2}$ ins. diam., firmly set, mkd. and witnessed as described in the field notes of the survey of T. 28 S., R. 19 E.

N. 0° 03' W., bet. secs. 31. and 32.

Over steep, rough, broken land.

Ascend 260 ft. over broken sandstone ledges, general S. slope.

7.40

Top of vertical ledge, bears E. and W., 145 ft. high.

12.00

Enter moderate juniper and pinon.

20.00

Top of ascent on spur, sloping W., descend 140 ft. over broken N. slope.

23.00

Leave timber, enter sandstone bedrock.

28.50

Set an iron post, 1 ins. diam., 30 ins. long, 1 ins. in drillhole with brass cap mkd.

W. P.

S 31 | S 32

19 54

262

Chains

29.00 S. edge 'Trail' Canyon, bears W. and E. to NE., with vertical ledge approx. 800 ft. high.

Thence by triangulation, over ~~cove~~ in canyon draining W.

40.00 True point for the $\frac{1}{4}$ sec. cor. of the secs. 31 and 32, falls on extremely steep, loose, broken N. slope, (slide area) where the monument cannot be perpetuated.

62.75 N. edge of 'Trail' Canyon, bears E. and W., with vertical ledge approx. 800 ft. high, heads approx. 10 chs. E.

Thence by chaining, ascend 60 ft. over general NW. sandstone slope.

80.00 Point for the sec. cor. of the secs. 29, 30, 31 and 32.

Set an iron post, 1 ins. diam., 30 ins. long, 10 ins. in drillhole with brass cap mkd.

T 27 S. R 19. E

S 30	S 29
S. 31	S 32

19 54

Cor. is located 40 lks. W. of ledge, 12 ft. high, bears N. and S.

Land: Rough, broken.

Soil: Sandy with sandstone bedrock.

Brush: None.

Timber: Moderate juniper and pinon, S. $\frac{1}{4}$ mile.

From the cor. of secs. 28, 29, 32 and 33.

West, bet. secs. 29 and 32.

Over rolling land, through 'Grays' pasture.

General SW. slope.

10.00 Enter scattered juniper and pinon.

17.00 Small wash, course N. 40° W.

28.00 Low spur, sloping N.

39.99 Point for the $\frac{1}{4}$ sec. cor. of the secs. 29 and 32.

Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, 20 ins. in the ground, with brass cap mkd.

$\frac{1}{4}$	S 29
	S 32

19 54

Thence cont. over rolling to broken land.

46.25 Wash, 30 lks. wide, 2 ft. deep, course N. 5° E.

47.00 Spur, sloping N.

55.00 Wash, 20 lks. wide, 3 ft. deep, course N. 5° E.

Chains

66.00

Spur, sloping N. 5° W., leave 'Grays' pasture and descend 250 ft. over rolling W. slope to sec. cor.

71.50

Enter broken sandstone ledges.

79.98

The cor. of the secs. 29, 30, 31 and 32.

Land: Rolling to broken.

Soil: Sandy loam and sandy, with sandstone bedrock.

Brush: Moderate sage and grass, E. 3/4 mile.

Timber: Moderate to scattered juniper and pinon.

General Description

The land contained in the central portion of township 27 south, range 19 east, is low, rolling flats, divided by what is locally known as the 'Neck'; with the outlying portion being steep, rough and broken.

The general elevation of the township ranges from a high of approx 6,150 ft. in the SW. portion of the township to a low of approx. 3,950 ft. along the Colorado River.

There are three main canyons, along the western edge of the township and one main canyon, divided into three branches in the NE. portion of the township, with the Colorado River draining around a 'gooseneck' in the N. ½ of the S. portion of the E. boundary.

There are several roads throughout the township, with these roads serving mainly as prospecting trails; with one of these roads running the length of the township, serving as a tourist attraction, through the central portion of the township and connecting with highway 160.

No permanent dwellings were noted, although there are two small cabins situated in the central SE. portion of the township.

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FIELD ASSISTANTS

16-53586-2

CERTIFICATE OF CADASTRAL ENGINEER

I, Leland P. Lewis, Cartographic Survey Aid, HEREBY CERTIFY upon honor that
and supplemental special instructions dated May 7, 1954, approved May 18, 1954,
pursuance of special instructions bearing date of the 17 day of February, 1954

I have surveyed The West Boundary, and Portion of Subdivision of T. 27 S., R. 19 E.

of the Salt Lake Meridian, in the State of Utah, which
represented in the foregoing field notes as having been executed by me and under my direction; and that
said survey has been made in strict conformity with said instructions, the Manual of Instructions for
Survey of the Public Lands of the United States, and in the specific manner described in the foregoing
field notes.

Sept. 15, 1954

Moab, Utah

Leland P. Lewis

Leland P. Lewis
Cartographic Survey Aid

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
Washington, D. C., _____, 1954

The foregoing field notes of the survey of The West Boundary and Portion of Subdivision of
T. 27 S., R. 19 E.

executed by Leland P. Lewis, Cartographic Survey Aid,
having been critically examined and found correct, are hereby approved.

Chief, Division of Cadastral Engineering

CERTIFICATE OF TRANSCRIPT

~~I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in _____
_____, is a true copy of the original field notes.~~

~~_____
Chief, Division of Cadastral Engineering~~

CERTIFICATE OF CADASTRAL ENGINEER

I, Andrew Nelson, Cartographer (Cadastral), HEREBY CERTIFY upon honor and supplemental special instructions dated May 7, 1954, approved May 18, 1954, pursuance of special instructions bearing date of the 17 day of February

I have surveyed A portion of the subdivison of T. 27 S., R. 19 E.

of the Salt Lake Meridian, in the State of Utah, which represented in the foregoing field notes as having been executed by me and under my direction; and the said survey has been made in strict conformity with said instructions, the Manual of Instructions for Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

Sept. 15, 1954

Salt Lake City, Utah

Andrew Nelson

Andrew Nelson
Cartographer (Cadastral)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., JUN 20 1955, 19

The foregoing field notes of the survey of The West Boundary and Portion of Subdivision
T. 27 S., R. 19 E.

executed by Andrew Nelson, Cartographer (Cadastral)
Leland P. Lewis, Cartographic Survey Aid.
having been critically examined and found correct, are hereby approved.

Leland P. Lewis
Chief, Division of Cadastral Engineering
Acting Cadastral Engineering Staff Officer

CERTIFICATE OF TRANSCRIPT

~~I CERTIFY that the foregoing transcript of the field notes of the above described surveys in~~
~~is a true copy of the original field notes.~~

Leland P. Lewis
Chief, Division of Cadastral Engineering

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

of the survey of a

Portion of Subdivison of T. 28 S., R. 14 E.

Of the Salt Lake Meridian,

In the State of Utah

EXECUTED BY

Stephen Schmidt Jr., Cartographer (Cadastral)

Under special instructions dated March 18, 1954, which provided
for the surveys included under Group No. 391, approved May 4, 1954
and assignment instructions dated June 3, 1954

Survey commenced September 7, 1954

Survey completed September 9, 1954

INDEX DIAGRAM

Township 28 South, *Range* 14 East

6	5	4	3	2	1
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18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	2 2 36

The north boundary of the township was originally surveyed by F. Dickett in 1878, resurveyed by A. D. Ferron in 1881, and independently resurveyed in 1939 by E. Bird and Alberga. The south boundary was surveyed by E. Bird and Alberga in 1939, and the east boundary was surveyed by R. C. Yundt in 1936.

The following field notes are those of the survey of a portion of the subdivision of T. 28 S., R. 14 E., deemed sufficient in extent to facilitate development of the natural resources and mark the boundaries of those sections that normally are considered State school sections.

This survey was executed with a Buff and Buff transit, serial number 23815, equipped with a full vertical circle and improved Smith-type telescopic solar attachment, and conforms to the standard instrumental specifications of the Bureau of Land Management. The instrument having been placed in satisfactory adjustment prior to the beginning of the survey, was maintained thereafter in precise adjustment throughout the progress of the survey.

The directions of all lines of the survey were determined, generally, by sustained angulation carried forward from meridians established by observations upon Polaris, one of which is shown below, and further verified through use of the solar attachment, which was at all times maintained in proper adjustment, as ascertained by tests on the lines carried forward from the controlling Polaris meridian.

Corners of the east-west lines were set on the true latitudinal curve. Lines connecting previously established corners were run by random and true method, but for simplification of the record, the random lines are omitted from the field notes.

Measurements herein contained were made with a narrow steel tapes, 8 chains in length, graduated every link for the first 100 links, and thereafter at intervals of every 10 links. The tapes were tested by comparison with a 1-chain standard steel tape and found to be correct. Measurements were made on the slope with the vertical angle of each interval ascertained by a clinometer in good adjustment; the field notes showing the horizontal equivalents. All lines of this survey were run by direct method.

The geographic position for the southeast corner of this township is in latitude $38^{\circ} 19' 32''$ N. and longitude $110^{\circ} 19' 35''$ W., as determined by traverse from U.S.C. & G.S. Triangulation Station 'Sam', situated in section 36, T. 29 S., R. 14 E.

September 6, 1954, at the corner of sections 1, 2, 35 and 36, on the south boundary of the township, in latitude $38^{\circ} 19' 32''$ N. and longitude $110^{\circ} 20' 41''$ W., at 6h 30m 06s p.m., l.m.t., I make an hour angle observation of Polaris, east of the meridian, making three observations each, with the telescopic in direct and reverse position reading the horizontal angle from a flag, approx. 50 chains to the north.

Mean horizontal angle, flag (E.) to Polaris----- $0^{\circ} 59' 05''$
Azimuth of Polaris, east of the meridian----- $0^{\circ} 59' 05''$
True bearing to flag-----North.

The magnetic declination was read at a number of stations throughout the township and the average of the readings was found to be $15^{\circ} 30' 00''$ E.

Chains	Beginning at the cor. of secs. 1, 2, 35 and 36, on the S. bdy. of the township, monumented by an iron post, 2 ins. diam., firmly set, mkd. and witnessed as described in the official record of the survey of the North Boundary of T. 29 S., R. 14 E.
	N. 0° 01' W., bet. secs. 35 and 36.
	Over gentle rolling land.
40.00	Point for the $\frac{1}{4}$ sec. cor. of the secs. 35 and 36.
	Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, 22 ins. in the ground, with brass cap mkd.
	$\begin{array}{c} \frac{1}{4} \\ \uparrow \\ \text{S } 35 \quad \quad \text{S } 36 \\ \hline 19 \ 54 \end{array}$
	Deposit broken glass around the iron post.
80.00	Point for the sec. cor. of the secs. 25, 26, 35 and 36.
	Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, 22 ins. in the ground, with brass cap mkd.
	$\begin{array}{c} \text{T } 28 \text{ S } \text{R } 14 \text{ E} \\ \hline \begin{array}{c c} \text{S } 26 & \text{S } 25 \\ \hline \text{S } 35 & \text{S } 36 \end{array} \\ \hline 19 \ 54 \end{array}$
	Deposit broken glass around the iron post.
	Land: Gently rolling.
	Soil: Sandy and sandy loam.
	Brush: Medium dense sage and grass.
	Timber: None.
	From the cor. of secs. 25, 30, 31 and 36, on the E. bdy. of the township, monumented by an iron post, 2 ins. diam., firmly set, mkd. and witnessed as described in the official record of the survey of the Green River Guide Meridian, Ts. 28 S., Rs. 14 and 15 E.
	N. 89° 58' W., bet. secs. 25 and 36.
	Over gently rolling land.
2.55	Unimproved road, brc. N. to Green River, Utah and S. to Ekker's ranch
24.45	Wash, course N.
40.03	Point for the $\frac{1}{4}$ sec. cor. of the secs. 25 and 36.
	Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, 22 ins. in the ground, with brass cap mkd.
	$\begin{array}{c} \text{S } 25 \\ \frac{1}{4} \quad \hline \text{S } 36 \\ \hline 19 \ 54 \end{array}$
	Deposit broken glass around the iron post.
52.00	Wash, course N.

Chains
76.00

Wash, course NE.

80.06

The cor. of secs. 25, 26, 35 and 36.

Land: Gently rolling.

Soil: Sandy and sandy loam.

Brush: Medium dense sage and grass.

Timber: None.

General Description

The land contained in section 36, Township 28 South, Range 14 east, is principally rolling, sandy land, laying on a plateau, with an approx. elevation of 5,500 ft.; with moderate dense undergrowth of sagebrush and grass, which affords good grazing. The soil is mostly sandy loam, with the general drainage to the NE.

There is a main unimproved dirt road, entering on the N. bdy. near the corner of sections 25, 30, 31 and 36, and bearing southwesterly to Ekker's ranch.

CERTIFICATE OF CADASTRAL ENGINEER

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I, Stephen Schmidt, Jr., Surveyor General upon honor and
 pursuant of special instructions bearing date of the 18th day of March
 I have surveyed the north and west boundaries of section 36, Township 28 South,
Range 14 E..

of the Salt Lake Meridian, in the State of Utah, which
 represented in the foregoing field notes as having been executed by me and under my direction; and
 said survey has been made in strict conformity with said instructions, the Manual of Instructions for
 Survey of the Public Lands of the United States, and in the specific manner described in the foregoing
 field notes.

Denver, Colorado

December 10, 1954

Stephen Schmidt, Jr.
Cadastral Engineer (Cadastral)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., APR 11 1955, 19

The foregoing field notes of the survey of the north and west boundaries of section
Township 28 South, Range 14 East, of the Salt Lake Meridian

executed by Stephen Schmidt, Jr., Cadastral Engineer (Cadastral)

having been critically examined and found correct, are hereby approved.

Carl G. Harrington
Chief, Division of Cadastral Engineering
Cadastral Engineering Staff Officer

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in
 is a true copy of the original field notes.

Chief, Division of Cadastral Engineering

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

of the

Survey of a Portion

of the

Subdivision,

Township 28 South, Range 15 East,

Of the

Salt Lake

Meridian,

In the State of

Utah

EXECUTED BY

Lynn G. Edwards, Cartographic Survey Aid

Under special instructions dated April 19, 1954, which provided
for the surveys included under Group No. 393, approved May 4, 1954
and assignment instructions dated April 29, 1954

Survey commenced August 9, 1954

Survey completed August 31, 1954

INDEX DIAGRAM

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Portion of the Subdivision of Township 28 South, Range 15 East

The north boundary was surveyed in 1942 by E. Bird and A. Nelson, and the record appears in the field notes of T. 27 S., R. 15 E. The west boundary was surveyed by R. C. Yundt in 1936, and its record appears in the field notes of the Green River Guide Meridian in Township 28 South. The east boundary was concurrently surveyed by Stephen Schmidt, Jr., under this Group, and the record appears in the field notes of T. 28 S., R. 16 E. The south boundary was concurrently surveyed by Lynn G. Edmonds, under Group 392, and its record appears in the field notes of T. 29 S., R. 15 E.

The following field notes are those of the survey of a portion of the subdivision of T. 28 S., R. 15 E., deemed sufficient in extent to facilitate development of the natural resources and mark the boundaries of those sections that normally are considered State school sections.

The survey was executed with W. and L. E. Gurley transit No. 481346. It is equipped with full vertical circle and improved Smith-type telescopic solar attachment, and conforms to the standard instrumental specifications of the Bureau of Land Management. The instrument was maintained in precise adjustment throughout the progress of this survey.

The directions of the lines of survey were determined generally by sustained angulation carried forward from the hour angle observation on Polaris contained in the field notes of Township 28 South, Range 16 East, surveyed concurrently under this same Group. The lines were further verified by altitude observations on the sun for azimuth, and by use of the solar attachment, at numerous points along the lines of survey. The solar attachment was maintained in precise adjustment by tests on the controlling Polaris meridian.

Corners on the east-west lines were set on the true latitudinal curve. Lines connecting previously established corners were run by random and true method but for simplification of the record the random lines are omitted from the field notes. In accordance with the intent of the special instructions all subdivisional corners established are calculated to be at the position they would occupy if the entire township were subdivided.

Measurements were made with a narrow steel tape, 8 chains in length, graduated every link for the first 100 links and the remainder at intervals of 10 links. The tape was tested by comparison with a one-chain standard steel tape and found correct. All measurements were made on the slope and the vertical angle of each interval ascertained by a clinometer in good adjustment; the horizontal equivalents alone are entered in the field note record. The lengths of all lines were determined by chaining where possible; otherwise by traverse or triangulation. The details of such traverses or triangulations have been thoroughly verified and in order to simplify the record the diagrams and reductions are omitted from these field notes.

The geographic position for the southeast corner of this township is in latitude $38^{\circ} 19' 32''$ N. and longitude $110^{\circ} 12' 58''$ W., as determined by traverse from United States Geological Survey Triangulation Station "Millard", situated in sec. 35, T. 29 S., R. 16 E.

The magnetic declination was read at a number of stations throughout the township and the average of the several readings was found to be 15° E.

Chains

Beginning at the cor. of secs. 1, 2, 35, and 36, on the S. bdy. of the Tp., an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the official record of the concurrent surveys of T. 29 S. R. 15 E.

N. 0° 01' W., bet. secs. 35 and 36.

Over gently rolling land, through scattering cedar and pinon timber.

10.00 Draw, drains NW.; ascend broken SW. slope of bare sandstone; leave timber.

21.60 W. end of a small mesa, 20 ft. below top, slopes steeply W.; descend broken N. slope.

31.70 Base of main descent, bears E. and W.; over gently rolling land, through scattering pinon and cedar timber.

40.00 Point for the ¼ sec. cor. of secs. 35 and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground to bedrock, and in a mound of stone to top, with brass cap mkd.



from which

A cedar, 15 ins. diam., bears N. 3° W., 19 lks. dist., mkd. ¼ S35 BT.

No other suitable bearing tree available.

53.00 Top of main ascent, bears E. and W.; descend steep N. slope, over sandstone ledges.

58.00 Base of main descent, bears E. and W.; over gently rolling land.

64.00 Head of a small box canyon, draining W.

73.00 E. side of Horseshoe Canyon, bears E. and SW.; descend broken N. slope, over sandstone ledges, into canyon.

77.30 Ravine, drains W. to main draw in Horseshoe Canyon; along steep W. slope.

80.00 Point for the cor. of secs. 25, 26, 35, and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to bedrock, and in a mound of stone to top, with brass cap mkd.



from which

A pinon, 6 ins. diam., bears S. 50° 30' W., 36 lks. dist., mkd. T28SR15E S35 BT.

No other suitable bearing trees available.

Portion of the Subdivision of Township 28 South, Range 15 East

Chains

Land, rolling and broken.
Soil, sandy and rocky.
Timber, scattering pinon and cedar.

From the cor. of secs. 25, 30, 31, and 36, on the E. bdy. of the Tp., an iron post, $2\frac{1}{2}$ ins. diam., set, mkd. and witnessed as described in the official record of the concurrent surveys of T. 28 S., R. 16 E.

S. $89^{\circ} 57'$ W., bet. secs. 25 and 36.

Over gently rolling land, through scattering cedar and pinon timber.

39.98 Point for the $\frac{1}{4}$ sec. cor. of secs. 25 and 36.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

$\frac{1}{4}$ S 25
S 36

1954

from which

A cedar, 8 ins. diam., bears N. 45° E., 26 lks. dist., mkd.
 $\frac{1}{4}$ S25 BT.

44.10 E. side of a fork of Horseshoe Canyon, bears NW. and SE.; descend broken SW. slope, over sandstone ledges.

57.20 Canyon, drains N. 30° W.; ascend broken NE. slope, over sandstone ledges.

63.20 Top of ascent, bears NW. and SE.; over broken land.

74.20 E. side of Horseshoe Canyon, bears N. and S.; descend steep, broken W. slope, over sandstone ledges.

79.96 The cor. of secs. 25, 26, 35, and 36.

Land, rolling and broken.
Soil, sandy and rocky.
Timber, scattering pinon and cedar.

From the cor. of secs. 3, 4, 33, and 34, on the S. bdy. of the Tp., an iron post, $2\frac{1}{2}$ ins. diam., set, mkd. and witnessed as described in the official record of the concurrent surveys of T. 29 S., R. 15 E.

N. $0^{\circ} 02'$ W., bet. secs. 33 and 34.

Over nearly level Goat Parks.

31.70 Leave Goat Parks; bears NE. and SW.; over rolling land, through scattering pinon and cedar timber.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 33 and 34.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.

$\frac{1}{4}$
S 33 S 34

1954

from which

A cedar, 30 ins. diam., bears E. 27° E., 30 lks. dist., mkd.
 $\frac{1}{4}$ S34 BT.

Portion of the Subdivision of Township 28 South, Range 15 East

Chains

No other suitable bearing tree available.

Land becomes more broken.

61.20

Low, rocky spur, slopes W.; descend broken NW. slope.

80.00

Point for the cor. of secs. 27, 28, 33, and 34.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground with brass cap mkd.

T28S R15E

S 28 S 27

S 33 S 34

1954

from which

A cedar, 12 ins. diam., bears S. 50° E., 4 lks. dist., mkd. T28SR15E S34 BT.

A cedar, 10 ins. diam., bears N. 83° 45' W., 21 lks. dist., mkd. T28SR15E S28 BT.

No other suitable bearing trees available.

Land, nearly level to rolling and broken.

Soil, sandy and rocky.

Timber, scattering pinon and timber.

N. 0° 02' W., bet. secs. 27 and 28.

Descend NW. slope, through scattering pinon and cedar timber.

1.10

Ravine, drains N. 30° E.; ascend broken SE. slope.

4.10

Top of ascent, bears N. 60° E. and S. 60° W.; over rolling and broken land.

27.00

Draw, drains E.

40.00

Point for the ¼ sec. cor. of secs. 27 and 28.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground with brass cap mkd.

S 28 S 27

1954

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of corner.

No suitable bearing trees available.

80.00

Point for the cor. of secs. 21, 22, 27, and 28.

Set an iron post, 30 ins. long, 2½ ins. diam., 16 ins. in the ground to bedrock, and in a mound of stone to top, with brass cap mkd.

T28S R15E

S 21 S 22

S 28 S 27

1954

Portion of the Subdivision of Township 28 South, Range 15 East

Chains

No suitable bearing trees available.

Land, rolling and broken.

Soil, sandy and rocky.

Timber, scattering pinon and cedar.

N. $0^{\circ} 02' W.$, bet. secs. 21 and 22.

Over gently rolling land, through scattering cedar and pinon timber.

8.00

S. side of a small canyon, bears NE. and SW.; descend steep NW. slope of bare sandstone; leave scattering timber.

14.00

Narrow ravine in bottom of canyon, drains NE.; ascend steep SE. slope of bare sandstone.

20.00

N. side of canyon, bears NE. and SW.; over rolling and broken land.

37.80

Ravine, drains NE.

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 21 and 22.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground to bedrock, and in a mound of stone, 5 ft. base, to top, with brass cap mkd.

$\frac{1}{4}$
 S 21 | S 22
 1954

77.00

Rim on the W. side of a fork of Bluejohn Canyon, bears N. $20^{\circ} W.$ and S. $20^{\circ} E.$; descend steep NE. slope of bare sandstone.

80.00

Point for the cor. of secs. 15, 16, 21, and 22.

Set an iron post, 15 ins. long, 1 in. diam., 7 ins. in a hole drilled in sandstone, with brass cap mkd.

T28S R15E

S 16 | S 15
 S 21 | S 22
 1954

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of corner.

Land, rolling and broken.

Soil, sandy and rocky.

Timber, scattering pinon and cedar.

N. $0^{\circ} 02' W.$, bet. secs. 15 and 16.

Ascend along steep E. to SE. slopes of bare sandstone, below W. rim of a main fork of Bluejohn Canyon.

11.40

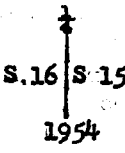
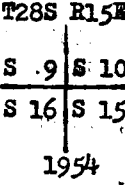
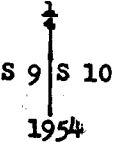
W. rim of canyon, bears NE. and SW.; over gently rolling land.

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 15 and 16, falls on a sandstone outcropping, sloping E.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground to bedrock, and in a mound of stone to top, with brass cap mkd.

Portion of the Subdivision of Township 28 South, Range 15 East

Chains	
	
63.90	Ravine, drains NE.
80.00	Point for the cor. of secs. 9, 10, 15, and 16. Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base, to top, with brass cap mkd. 
	Land, rolling. Soil, sandy and rocky. No timber.
	N. 0° 02' W., bet. secs. 9 and 10. Over gently rolling land, on a narrow finger, extending between the main forks of Bluejohn Canyon.
7.80	S. rim of a main fork of Bluejohn Canyon, bears NE. and SW.; descend broken NW. slope of bare sandstone, into canyon.
18.00	Base of main descent, bears NE. and SW.; over rough and broken land of bare sandstone, in bottom of canyon.
25.00	Top of a small flat-topped bench.
31.50	Main ravine in the bottom of a fork of Bluejohn Canyon, drains NE.
40.00	Point for the ¼ sec. cor. of secs. 9 and 10. Set an iron post, 15 ins. long, 1 in. diam., 7 ins. in a hole drilled in sandstone, and in the center of a chiseled cross (X), with brass cap mkd. 
41.00	Small ravine, drains SE.; ascend broken S. slope of bare sandstone.
50.30	Edge of a flat-topped bench, bears E. and W.; over top of bench.
53.00	Edge of bench, bears E. and W.; over rough and broken land.
68.40	Ravine, near head, drains E.
80.00	True point for the cor. of secs. 3, 4, 9, and 10, falls in a rocky ravine, draining SE., an insecure place for a corner monument. Land, rough and broken. Soil, mostly bare sandstone. No timber.
	N. 0° 15' W., bet. secs. 3 and 4.

Partion of the Subdivision of Township 28 South, Range 15 East

Chains

Over rough and broken land.

0.50

Point selected for the witness cor. of secs. 3, 4, 9, and 10, on the N. side of rocky ravine.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the ground to bedrock, and in a mound of stone, 5 ft. base, to top, with brass cap mkd.

T28S R15E

S 4	S 3
S 9	S 10

W C

1954

9.20

Small canyon, drains E.; over broken land and sandstone outcroppings, sloping generally SE., ascending gradually.

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 3 and 4.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base, to top, with brass cap mkd.

S 4	S 3
-----	-----

1954

72.00

Ascend gradually over rolling sand dunes.

79.83

The cor. of secs. 3, 4, 33, and 34, on the N. bdy. of the Tp., an iron post, 2 ins. diam., set and witnessed as described in the official record of the 1942 survey of the South Boundary of T. 27 S., R. 15 E.; the brass cap was missing from this iron post. I destroy the remains of the original iron post, and in place of which:

At the corner point

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., on shifting sand, and in a mound of stone, 6 ft. base, to top, with brass cap mkd.

T27S R15E

S 33	S 34
S 4	S 3

T28S

1954

Land, rough and broken.

Soil, sandy and rocky.

No timber.

From the cor. of secs. 1, 2, 35, and 36, on the N. bdy. of the Tp., an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record of the 1942 survey of the South Boundary of T. 27 S., R. 15 E.

S. 0° 01' E., bet. secs. 1 and 2.

Ascend gentle N. slope, through thinly scattering pinon and cedar timber.

25.00

Ascend steep N. slope, over sandstone ledges.

Portion of the Subdivision of Township 28 South, Range 15 East

Chains

38.40

Sandstone ledge, 30 ft. high, on rim of mesa, bears E. and W.; over rolling mesa land, descending gradually; leave scattering timber.

40.27

Point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 2.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the ground to bedrock, and in a mound of stone, 5 ft. base, to top, with brass cap mkd.

$$\begin{array}{c} \frac{1}{4} \\ \hline S\ 2 \mid S\ 1 \\ \hline 1954 \end{array}$$

80.27

Point for the cor. of secs. 1, 2, 11, and 12.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 8 ins. in the ground to bedrock, and in a mound of stone, 5 ft. base, to top, with brass cap mkd.

$$\begin{array}{c} T28S\ R15E \\ \hline S\ 2 \mid S\ 1 \\ \hline S\ 11 \mid S\ 12 \\ \hline 1954 \end{array}$$

Land, rolling and broken.

Soil, sandy and rocky.

Timber, scattering pinon and cedar below mesa.

N. $89^{\circ} 49'$ W., bet. secs. 2 and 11.

Over rolling and broken land.

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 11.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 8 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base, to top, with brass cap mkd.

$$\begin{array}{c} S\ 2 \\ \hline S\ 11 \end{array}$$

1954

55.00

Ravine, near head, drains SW.;

70.10

E. rim of Bluejohn Canyon, bears N. and S.; descend broken SW. slope, over sandstone ledges.

72.50

Sandstone ledge, 100 ft. high, bears NW. and SE.

79.00

Small draw, drains N. 75° W.; along sandy N. slope, through scattering pinon and cedar timber.

80.00

Point for the cor. of secs. 2, 3, 10, and 11, falls on steep N. slope of a sand dune.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in sand, and in a mound of stone to top, with brass cap mkd.

$$\begin{array}{c} T28S\ R15E \\ \hline S\ 3 \mid S\ 2 \\ \hline S\ 10 \mid S\ 11 \\ \hline 1954 \end{array}$$

Portion of the Subdivision of Township 28 South, Range 15 East

Chains

No suitable bearing trees available.

Land, rolling and broken.

Soil, sandy and rocky.

Timber, thinly scattering pinon and cedar below canyon rim.

N. 0° 02' W., bet. secs. 2 and 3.

Over rolling and broken land in the bottom of Bluejohn Canyon, through thinly scattering pinon and cedar timber.

0.30 Small draw, drains E. 75° W.

9.30 Main draw in bottom of Bluejohn Canyon, drains N. 25° E.; ascend gradually along the W. breaks of canyon.

40.00 Point for the $\frac{1}{2}$ sec. cor. of secs. 2 and 3, falls on NE. slope of sandstone ledge.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 16 ins. in sandstone, and in a mound of stone, 4 ft. base, to top, with brass cap mkd.

\uparrow
 S 3 | S 2
 1954

No suitable bearing trees available.

62.00 Ravine, drains S. 60° E.; ascend S. slope, over sandstone ledges.

71.20 Rim of Bluejohn Canyon, bears E. and W.; over rolling mesa land.

80.22 The cor. of secs. 2, 3, 34, and 35, an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record of the 1942 survey of the South Boundary of T. 27 S., R. 15 E.

Land, rough and broken.

Soil, sandy and rocky.

Timber, thinly scattering pinon and cedar.

From the cor. of secs. 15, 16, 21, and 22.

N. 89° 55' W., bet. secs. 16 and 21.

Ascend steep E. slope of bare sandstone.

2.70 Top of steep ascent, bears N. and S.; ascend broken, rocky E. slope.

14.75 Low, rocky spur, slopes N. 15° E.; descend broken W. slope, through thinly scattering pinon and cedar timber.

31.00 Draw, drains NW.; over rolling and broken land.

40.00 Point for the $\frac{1}{2}$ sec. cor. of secs. 16 and 21.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 16 ins. in the ground to bedrock, and in a mound of stone to top, with brass cap mkd.

$\frac{1}{2}$ S 16
 S 21

1954

No suitable bearing trees available.

Chains

- 42.50 Ravine, drains N. 10° E.; ascend E. slope, through pinon and cedar timber.
- 65.00 Low ridge, bears N. and S.; descend gentle W. slope.
- 70.30 Base of descent, bears N. and S.; over nearly level land; leave timber.
- 80.00 Point for the cor. of secs. 16, 17, 20, and 21.
- Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.

T28S R15E

S 17 S 16

S 20 S 21

1954

Raise a mound of stone, 4 ft. base, 3 ft. high, W. of corner.

Land, rolling and broken.

Soil, sandy and rocky.

Timber, scattering pinon and cedar.

N. 0° 03' W., bet. secs. 16 and 17.

Over nearly level land.

- 20.00 Top of descent, bears E. and W.; descend N. slope, through scattering pinon and cedar timber.
- 27.50 Ravine, drains N. 30° E.; over rolling and broken sandy land.
- 40.00 Point for the ¼ sec. cor. of secs. 16 and 17.
- Set an iron post, 30 ins. long, 2½ ins. diam., 15 ins. in sand, and in a mound of stone, 4 ft. base, to top, with brass cap mkd.

S 17 S 16

1954

No suitable bearing trees available.

- 44.80 Ravine, drains E.; ascend S. slope.
- 60.80 Low, sandy spur, slopes E.; descend gentle W. slope.
- 80.00 Point for the cor. of secs. 8, 9, 16, and 17.
- Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T28S R15E

S 8 S 9

S 17 S 16

1954

from which

A cedar, 10 ins. diam., bears S. 84° 15' W., 42 lns. dist.,
T28S R15E S17 BT.

Portion of the Subdivision of Township 28 South, Range 15 East

Chains

A cedar, 14 ins. diam., bears N. 25° W., 110 lks. dist., mkd.
T26SR15E 88 BT.

No other suitable bearing trees available.

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of corner.

Land, rolling and broken.

Soil, sandy.

Timber, thinly scattering pinon and cedar.

From the cor. of secs. 9, 10, 15 and 16.

N. 89° 52' W., bet. secs. 9 and 15.

Over gently rolling land.

1.50 Small ravine, drains N.

11.50 Rim of Bluejohn Canyon, bears NW. and SE.; over precipitous slopes of canyon, by triangulation.

21.00 (Approximate dist.) Main draw in bottom of canyon, drains N.

28.50 Fork of Bluejohn Canyon, drains NE.

33.00 W. rim of Bluejohn Canyon; continue over broken E. slope.

39.97 Point for the $\frac{1}{4}$ sec. cor. of secs. 9 and 16, determined by triangulation, falls on a broken E. slope on W. side of Bluejohn Canyon.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 4 ins. in the ground to bedrock, and in a mound of stone, 5 ft. base, to top, with brass cap mkd.

S 9
+
S 16
1954

Ascend broken E. slope.

57.00 Enter cedar and pinon timber, bears N. and S.

62.00 Low ridge, bears N. 30° E. and S. 30° W.; descend along gentle NW. to N. slope.

79.94 The cor. of secs. 8, 9, 16, and 17.

Land, rolling and broken.

Soil, sandy and rocky.

Timber, scattering pinon and cedar in $\frac{1}{2}$ mile.

From the cor. of secs. 4, 5, 32, and 33, on the S. bdy. of the Tp., an iron post, 2 $\frac{1}{2}$ ins. diam., set, mkd. and witnessed as described in the official record of the concurrent surveys of T. 29 S., R. 15 E., under Group 392.

N. 0° 03' W., bet. secs. 32 and 33.

Over gently rolling land, sloping generally N., through thinly scattering patches of cedar and pinon timber.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 32 and 33.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 25 ins. in the ground, with brass cap mkd.

+
S 32 | S 33

1954

Chains

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of corner.

No suitable bearing trees available.

58.10

Top of descent, bears NE. and SW.; descend gentle NW. slope, through pinon and cedar timber.

80.00

Point for the cor. of secs. 28, 29, 32, and 33.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T28S R15E

S 29 | S 28

S 32 | S 33

1954

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of corner.

No suitable bearing trees available.

Land, gently rolling.

Soil, sandy.

Timber, scattering pinon and cedar.

From the cor. of secs. 5, 6, 31, and 32, on the S. bdy. of the Tp., an iron post, $2\frac{1}{2}$ ins. diam., set, mkd. and witnessed as described in the official record of the concurrent surveys of T. 29 S. R. 15 E., under Group 392.

N. $0^{\circ} 03'$ W., bet. secs. 31 and 32.

Over gently rolling land.

12.00

Draw, drains NW.

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 31 and 32.Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 26 ins. in the ground, with brass cap mkd. $\frac{1}{4}$

S 31 | S 32

1954

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of corner.

60.60

Draw, drains NW.

80.00

Point for the cor. of secs. 29, 30, 31, and 32.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 26 ins. in the ground, with brass cap mkd.

T28S R15E

S 30 | S 29

S 31 | S 32

1954

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of corner.

Portion of the Subdivision of Township 28 South, Range 15 East

Chains	
	Land, gently rolling. Soil, sandy. No timber.
	From the cor. of secs. 28, 29, 32, and 33.
	N. 89° 55' W., bet. secs. 29 and 32.
	Descend gentle NW. slope, through scattering pinon and cedar timber.
4.90	Draw, drains N. 30° E.; Bluejohn Spring, approximately N. 30° E., 10 chs. dist., in bottom of draw; ascend broken E. to SE. slope.
15.60	Top of ascent, bears N. 15° E. and S. 15° W.; over rolling land; leave timber.
19.75	Main road, unimproved, bears N. 15° E. to Green River and S. 15° W. to Lands End.
39.97	Point for the $\frac{1}{4}$ sec. cor. of secs. 29 and 32. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 25 ins. in the ground, with brass cap mkd. $\frac{1}{4} \begin{array}{r} S 29 \\ S 32 \end{array}$ 1954 Raise a mound of stone, 3 ft. base, 2 ft. high, N. of corner.
79.94	The cor. of secs. 29, 30, 31, and 32. Land, rolling. Soil, sandy. Timber, scattering pinon and cedar in $\frac{1}{4}$ mile.
	N. 89° 54' W., bet. secs. 30 and 31.
	Over gently rolling land.
17.50	Draw, drains N.
20.90	Draw, drains N. 40° E.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 30 and 31. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 25 ins. in the ground, with brass cap mkd. $\frac{1}{4} \begin{array}{r} S 30 \\ S 31 \end{array}$ 1954 Raise a mound of stone, 3 ft. base, 2 ft. high, N. of corner.
57.90	Top of descent, bears N. and S.; descend rocky W. slope.
63.40	Draw, drains N.; ascend gentle E. slope.
78.96	The cor. of secs. 25, 30, 31, and 36, on the W. bdy. of the Tp., an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record of the 1936 survey of the Green River Guide Meridian in Township 28 South.

Portion of the Subdivision of Township 28 South, Range 15 East

Land, gently rolling.
Soil, sandy.
No timber.

General Description

The soil found in this township, is generally a fine sand, with numerous sandstone outcroppings in the rougher portions. The terrain is gently rolling uplands to extremely rough and broken canyon country. The timber consists of scattering stands of pinoñ and cedar, mostly in the southeast portion of the township.

The drainage is afforded by Horseshoe Canyon, draining northerly through the extreme eastern portion of the township; and by the forks of Bluejohn Canyon, draining northeasterly through the central portion of the township.

Bluejohn Spring is located about 10 chs. northerly from the cor. of secs. 28, 29, 32, and 33. This spring is seasonal and cannot be depended upon as a year round supply of water.

The main road from Green River enters the township in sec. 5 and leaves in sec. 32.

No evidence of mineral development was noted at the time of this survey.

RECEIVED - FEDERAL BUREAU OF INVESTIGATION

4-550
(Rev. 10-30)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

[illegible]

CERTIFICATE OF CADASTRAL ENGINEER

293

I, Lynn G. Edmonds, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 19th day of April, 1955, I have surveyed a portion of the subdivision of Township 28 South, Range 15 East,

of the Salt Lake Meridian, in the State of Utah, which are represented in the foregoing field notes as having been executed by me and under my direction; and that said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

Denver, Colorado
February 14, 1955

Lynn G. Edmonds
Cartographic Survey Aid

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
 Washington, D. C., MAY 11 1955, 19

The foregoing field notes of the survey of a portion of the subdivision of Township 28 South, Range 15 East, of the Salt Lake Meridian, Utah

executed by Lynn G. Edmonds, Cartographic Survey Aid having been critically examined and found correct, are hereby approved.

Earl G. Harrington
Chief, Division of Cadastral Engineering
 Cadastral Engineering Staff Office

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in _____, is a true copy of the original field notes.

Chief, Division of Cadastral Engineering

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

of the

Survey of the West Boundary

and a

Portion of the Subdivision,

Township 28 South, Range 16 East,

Of the Salt Lake Meridian,

In the State of Utah

EXECUTED BY

Stephen Schmidt, Jr., Cartographer (Cadastral)

Under special instructions dated April 19, 1954, which provided
for the surveys included under Group No. 393, approved May 4, 1954
and assignment instructions dated June 3, 1954

Survey commenced July 19, 1954

Survey completed August 23, 1954

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		13			
3	19	20	21	22	23
2	20	21	22	23	24
	16				6
2	31	15	14	7	6

West Boundary and a Portion of the Subdivision,
Township 28 South, Range 16 East.

The north boundary was surveyed by E. Bird and A. Nelson in 1940, and its record appears in the field notes of T. 27 S., R. 16 E. The east boundary was surveyed in 1936 by R. C. Yundt, and the record appears in the field notes of the range line between ranges 16 and 17 east in township 28 south. The south boundary was concurrently surveyed in 1954 by Stephen Schmidt, Jr., under Group 392, and the record appears in the field notes of T. 29 S., R. 16 E.

The following field notes are those of the survey of the west boundary and a portion of the subdivision of T. 28 S., R. 16 E., deemed sufficient in extent to facilitate development of the natural resources and mark the boundaries of those sections that normally are considered State school sections.

The survey was executed with Buff and Buff transit No. 23815. It is equipped with full vertical circle and improved Smith-type telescopic solar attachment, and conforms to the standard instrumental specifications of the Bureau of Land Management. The instrument was maintained in precise adjustment throughout the progress of this survey.

The directions of the lines of survey were determined generally by sustained angulation carried forward from the following hour angle observation on Polaris for meridian, supplemented by numerous altitude observations on the sun for azimuth taken throughout the work and further verified through use of the solar attachment which was at all times maintained in proper adjustment as ascertained by tests on the lines carried forward from the controlling polaris meridian.

Corners on the east-west lines were set on the true latitudinal curve. Lines connecting previously established corners were run by random and true method but for simplification of the record the random lines are omitted from the field notes. In accordance with the intent of the special instructions all subdivisional corners established are calculated to be at the positions they would occupy if the entire township were subdivided.

Measurements were made with a narrow steel tape, 8 chains in length, graduated every link for the first 100 links and the remainder at intervals of 10 links. The tape was tested by comparison with a one-chain standard steel tape and found correct. All measurements were made on the slope and the vertical angle of each interval ascertained by a clinometer in good adjustment; the horizontal equivalents alone are entered in the field note record. The lengths of all lines were determined by chaining where possible; otherwise by traverse or triangulation. The details of such traverses or triangulations have been thoroughly verified and in order to simplify the record the diagrams and reductions are omitted from these field notes.

The geographic position for the southeast corner of this township is in latitude $38^{\circ} 19' 32''$ N. and longitude $110^{\circ} 06' 22''$ W., as determined by traverse from United States Geological Survey Triangulation Station "Millard", situated in sec. 35, T. 29 S., R. 16 E.

July 18, 1954, at the cor. of Ts. 28 and 29 S., Rs. 15 and 16 E., in latitude $38^{\circ} 19' 32''$ N. and longitude $110^{\circ} 12' 58''$ W., at 7h 19m 18s p.m., l.m.t., I make an hour angle observation on Polaris, east of the meridian, making three observations each with the telescope in direct and reversed position, reading the horizontal angle from a flag set approximately 37 chains north.

Mean horizontal angle, flag to Polaris..... $0^{\circ} 22' 38''$
Azimuth of Polaris, east of meridian..... $0^{\circ} 22' 38''$
True bearing to flag..... North

The magnetic declination was read at a number of stations throughout the township and the average of the several readings was found to be 15° E.

West Boundary of Township 28 South, Range 16 East

Chains

Beginning at the cor. of T_s. 28 and 29 S., R_s. 15 and 16 E., an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the official record of the concurrent surveys of T. 29 S., R. 16 E.

North, bet. secs. 31 and 36.

Over gently rolling land, through thinly scattering pinon and cedar timber.

6.00 Draw, drains E.

26.00 Base of ascent, bears E. and W.; ascend 300 ft. over broken S. slope of bare sandstone; leave timber.

36.90 Rim of small mesa, bears E. and W.; over nearly level mesa top, through scattering pinon and cedar timber.

40.00 Point for the ¼ sec. cor. of secs. 31 and 36,

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.



Raise a mound of stone, 3 ft. base, 2 ft. high, W. of corner.

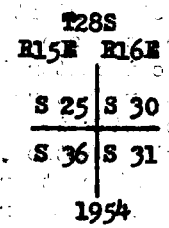
No suitable bearing trees available.

42.40 Rim of mesa, bears NE. and SW.; descend 400 ft. over NW. to W. slopes of exposed sandstone; leave timber.

59.70 Base of main descent, bears E. and W.; over gently rolling land, through scattering pinon and cedar timber.

80.00 Point for the cor. of secs. 25, 30, 31, and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.



Raise a mound of stone, 3 ft. base, 2 ft. high, W. of corner.

No suitable bearing trees available.

Land, rolling and broken.
Soil, sandy and rocky.
Timber, scattering pinon and cedar.

North, bet. secs. 25 and 30.

Over gently rolling land, through scattering pinon and cedar timber.

40.00 Point for the ¼ sec. cor. of secs. 25 and 30.

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.

West Boundary of Township 28 South, Range 16 East

Chains

$\frac{1}{2}$
 S 25 | S 30
 1954

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of corner.

No suitable bearing trees available.

80.00

Point for the cor. of secs. 19, 24, 25, and 30.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.

T28S
 R15E R16E
 S 24 | S 19
 S 25 | S 30
 1954

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of corner.

No suitable bearing trees available.

Land, gently rolling.

Soil, sandy.

Timber, thinly scattering pinon and cedar.

North, bet. secs. 19 and 24.

Over gently rolling land, through scattering pinon and cedar timber.

14.40

Draw, drains N. 70° E.

40.00

Point for the $\frac{1}{2}$ sec. cor. of secs. 19 and 24, at base of steep ascent, bearing NE. and S. 20° W.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., on exposed sandstone, and in a mound of stone, 4 ft. base, to top, with brass cap mkd.

$\frac{1}{2}$
 S 24 | S 19
 1954

No suitable bearing trees available.

Ascend 300 ft. over steep E. to SE. slopes of bare sandstone; leave timber.

56.00

Rim of mesa near northeast end, bears NE. and SW.; over nearly level mesa top.

61.50

Rim of mesa, bears NE. and SW.; descend 300 ft. over ledges and N. to NW. slopes of bare sandstone.

71.60

Descend gradually over ledges and domes of bare sandstone.

77.50

Top of a small sandstone dome.

80.00

Point for the cor. of secs. 13, 18, 19, and 24.

Set an iron post, 15 ins. long, 1 in. diam., 4 ins. in a hole drilled in sandstone, and in a mound of stone to top, with brass cap mkd.

West Boundary of Township 28 South, Range 16 East

Chains

T28S
R15E R16E
S 13 S 18
S 24 S 19
1954

Land, rolling and broken.
Soil, sandy and exposed sandstone.
Timber, scattering pinon and cedar.

North, bet. secs. 13 and 18.

Over rolling and broken land and sandstone outcroppings, descending gradually, through thinly scattering cedar and pinon timber.

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 13 and 18.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

S 13 S 18
1954

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of corner.

44.80

Ravine, drains NW.

54.20

Ravine, drains N. 60° W.

80.00

Point for the cor. of secs. 7, 12, 13, and 18.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base, to top, with brass cap mkl.

T28S
R15E R16E
S 12 S 7
S 13 S 18
1954

from which

A pinon, 14 ins. diam., bears N. $31^\circ 30'$ W., 12 lks. dist., mkd. T28SR15E S12 BT.

No other suitable bearing trees available.

Land, rolling and broken.
Soil, sandy and exposed sandstone.
Timber, thinly scattering cedar and pinon.

North, bet. secs. 7 and 12.

Over gently rolling land and sandstone outcroppings, descending gradually, through thinly scattering pinon and cedar timber.

13.50

Draw, drains N. 60° W.

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 7 and 12.

West Boundary of Township 28 South, Range 16 East

Chains

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.

S 12 | S 7

1954

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of corner.

No suitable bearing trees available.

80.00

Point for the cor. of secs. 1, 6, 7, and 12.

Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base, to top, with brass cap mkd.

T28S
R15E R16E

S 1 | S 6
S 12 | S 7

1954

No suitable bearing trees available.

Land, gently rolling.

Soil, sandy and sandstone outcroppings.

Timber, thinly scattering cedar and pinon.

North, bet. secs. 1 and 6.

Descend gentle NW. slope, through thinly scattering cedar and pinon timber.

11.00

S. rim of Spur Canyon, bears E. and W., approximately 3.50 chs. N. of confluence with Horseshoe Canyon; over canyon, approximately 150 ft. deep, by triangulation.

22.00

N. rim of canyon, bears NW. and SE., determined by triangulation; along rocky W. slope.

40.00

Point for the ¼ sec. cor. of secs. 1 and 6.

Set an iron post, 30 ins. long, 2½ ins. diam., on exposed sandstone, and in a mound of stone, 4 ft. base, to top, with brass cap mkd.

S 1 | S 6

1954

65.00

Along draw, draining N. from SE.

68.00

Draw, drains NW. from S.; over rolling and broken land.

80.48

The cor. of Ts. 27 and 28 S., Rs. 15 and 16 E., an iron post, 3 ins. diam., set, mkd. and witnessed as described in the official record of the 1940 survey of the South Boundary of T. 27 S., R. 16 E.

Land, rolling and broken.

Soil, sandy and rocky.

Timber, thinly scattering cedar and pinon.

Portion of the Subdivision of Township 28 South, Range 16 East

Chains

Beginning at the cor. of secs. 1, 2, 35, and 36, on the south bdy. of the Tp., an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the official record of the concurrent survey of T. 29 S., R. 16 E.

N. 0° 01' W., bet. secs. 35 and 36.

Ascend SE. slope over sandstone ledges.

27.40

Top of sandstone ledge, 100 ft. high, bears NE. and SW.; continue ascent.

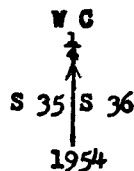
35.70

Top of sandstone knob; descend N. slope of bare sandstone.

37.85

Point selected for the witness ¼ sec. cor. of secs. 35 and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., on exposed sandstone, and in a mound of stone, 4 ft. base, to top, with brass cap mkd.



38.00

Rim of a fork of Willard Canyon, bears NE. and SW.; descend 1080 ft. over high sandstone ledges and precipitous N. to NW. slopes into canyon, by triangulation.

40.00

True point for ¼ sec. cor. of secs. 35 and 36, falls on inaccessible slopes of canyon.

78.50

Draw in bottom of canyon, drains NE., determined by triangulation; ascend broken SE. slope.

80.00

Point for the cor. of secs. 25, 26, 35, and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 3 ins. in the ground to bedrock, and in a mound of stone to top, with brass cap mkd.

T28S R16E

S 26 S 25

S 35 S 36

1954

Land, rough and broken.

Soil, rocky.

No timber.

From the cor. of secs. 25, 30, 31, and 36, on the E. bdy. of the Tp. an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record of the 1936 survey of the Range Line Between Ranges 16 and 17 East in Township 28 South.

S. 89° 58' W., bet. secs. 25 and 36.

Ascend broken N. slope.

8.00

Spur, slopes S. 30° E.; ascend 400 ft. along steep, broken S. to SE. slopes.

39.94

Point for the ¼ sec. cor. of secs. 25 and 36, on steep SE. slope, near base of sandstone wall.

Part of the Subdivision of Township 28 South, Range 16 East

Chains	
	Set an iron post, 30 ins. long, 2½ ins. diam., 3 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base, to top, with brass cap mkd.
	$\begin{array}{r} \frac{1}{4} \text{ S } 25 \\ \text{S } 36 \end{array}$
	1954
	Ascend 200 ft. over sandstone wall.
41.50	Top of sandstone wall, bears NE. and SW.; over very narrow finger of mesa of bare sandstone.
43.30	Top of sandstone wall, bears NE. and SW.; descend 800 ft. over wall and steep, rocky NW. slope.
71.00	Draw in bottom of a fork of Millard Canyon, drains N. 30° E.; ascend SE. slope.
79.88	The cor. of secs. 25, 26, 35, and 36.
	Land, rough and broken. Soil, rocky. No timber.
	From the cor. of secs. 3, 4, 33, and 34, on the S. bdy. of the Tp., an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the official record of the concurrent surveys of T. 29 S., R. 16 E.
	N. 0° 02' W., bet. secs. 33 and 34.
	Over gently rolling land, through thinly scattering cedar and pinon timber.
36.30	Draw, drains N. 70° E.
40.00	Point for the ¼ sec. cor. of secs. 33 and 34.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
	$\begin{array}{c} \uparrow \\ \text{S } 33 \mid \text{S } 34 \\ \downarrow \\ 1954 \end{array}$
	Bury a sandstone, 6x4x2 ins., mkd. with a cross (X), alongside the iron post.
	No bearing trees available.
55.20	Descend NE. slope; leave scattering timber.
65.50	Draw in bottom of small canyon, drains NW.; ascend SW. slope.
74.00	Spur, slopes W.; descend NW. slope.
80.00	Point for the cor. of secs. 27, 28, 33, and 34.
	Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock, and in a mound of stone to top, with brass cap mkd.
	$\begin{array}{c} \text{T28S R16E} \\ \text{S } 28 \mid \text{S } 27 \\ \text{S } 33 \mid \text{S } 34 \\ \downarrow \\ 1954 \end{array}$

Portion of the Subdivision of Township 28 North, Range 16 East

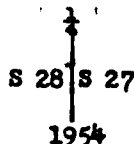
Chains

Land, gently rolling and broken,
Soil, sandy.
Timber, thinly scattering cedar and pinon.

N. 0° 02' W., bet. secs. 27 and 28.

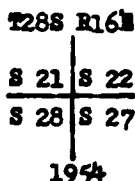
Descend NW. slope.

- 1.30 Draw in bottom of small box canyon, near head, drains SW.; ascend 100 ft. over broken SE. slope and sandstone ledge.
- 5.80 Top of sandstone ledge, bears N. 60° E. and S. 60° W.; over gently rolling land, through thinly scattering cedar and pinon timber.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 27 and 28, falls on sandstone outcropping.
- Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., on exposed sandstone, and in a mound of stone, 4 ft. base, to top, with brass cap mkd.



No suitable bearing trees available.

- 42.00 Draw, drains S. 60° W.
- 47.90 Draw, drains SW. from N. 20° E.; along W. side of draw, over sandstone outcroppings; leave scattering timber.
- 71.00 Leave W. side of draw; continue over broken sandstone outcroppings.
- 80.00 Point for the cor. of secs. 21, 22, 27, and 28, falls on gentle S. slope of bare sandstone.
- Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., on exposed sandstone, and in a mound of stone, 4 ft. base, to top, with brass cap mkd.

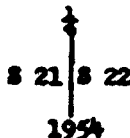


Land, rolling and broken.
Soil, sandy and rocky.
Timber, thinly scattering cedar and pinon.

N. 0° 02' W., bet. secs. 21 and 22.

Over a series of broken sandstone outcroppings, ascending gradually.

- 24.00 Leave sandstone outcroppings; over gently rolling land, through thinly scattering cedar and pinon.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 21 and 22.
- Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.



Part of the Subdivision of Township 28 South, Range 16 East

Chains	Raise a mound of stone, 3 ft. base, 2 ft. high, W. of corner. No suitable bearing trees available.
43,20	Draw, drains NW.
80,00	Point for the cor. of secs. 15, 16, 21, and 22. Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd. <div>T28S R16E S 16 S 15 S 21 S 22 1954</div> Deposit glass of a broken bottle around the iron post. No suitable bearing trees available. Land, gently rolling. Soil, sandy and rocky. Timber, thinly scattering pinon and cedar.
	N. 0° 02' W., bet. secs. 15 and 16.
	Over gently rolling land, through thinly scattering cedar and pinon timber.
11,70	Draw, drains NW.
16,70	Draw, drains W.
40,00	Point for the ¼ sec. cor. of secs. 15 and 16. Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd. <div>½ S 16 S 15 1954</div> Raise a mound of stone, 3 ft. base, 2 ft. high, W. of corner. No suitable bearing trees available.
51,00	Draw, drains N. 60° W.
69,00	Top of ascent, bears E. and W.; descend broken N. slope.
74,90	Small ravine, drains W.; ascend broken S. slope, over sandstone outcroppings.
80,00	Point for the cor. of secs. 9, 10, 15, and 16, falls on sandstone outcropping. Set an iron post, 30 ins. long, 2½ ins. diam., on exposed sandstone, and in a mound of stone, 4 ft. base, to top, with brass cap mkd. <div>T28S R16E S 9 S 10 S 16 S 15 1954</div> No suitable bearing trees available.

Portion of the Subdivision of Township 28 South, Range 16 East

Chains

Land, gently rolling and broken.
Soil, sandy and rocky.
Timber, thinly scattering pinon and cedar.

N. 0° 02' W., bet. secs. 9 and 10.

Ascend broken S. to SW. slopes, over sandstone outcroppings, through thinly scattering pinon and cedar timber.

25.30

Top of ascent, bears NW. and SE.; over gently rolling land; leave scattering timber.

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 9 and 10.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

S 9 S 10

1954

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of corner.

80.00

Point for the cor. of secs. 3, 4, 9, and 10, falls at edge of a draw, winding N. from S. 20° E.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 12 ins. in the ground to bedrock, and in a mound of stone to top, with brass cap mkd.

T28S R16E

S 4 S 3

S 9 S 10

1954

Land, gently rolling and broken.
Soil, sandy and rocky.
Timber, thinly scattering pinon and cedar.

N. 0° 04' W., bet. secs. 3 and 4.

Along draw, draining N., between rolling sand hills.

8.80

Junction of draws, draining NW. from the S. and E.; over rolling and broken land.

31.50

Draw, drains W.

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 3 and 4.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 6 ins. in the ground to bedrock, and in a mound of stone to top, with brass cap mkd.

S 4 S 3

1954

Land becomes more broken.

57.50

Small ravine, drains NW.

72.70

Ravine, at head, drains W.

Partion of the Subdivision of Township 28 South, Range 16 East

Chains

80.55

The cor. of secs. 3, 4, 33, and 34, on the N. bdy. of the Tp., an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record of the 1940 survey of the South Boundary of T. 27 S., R. 16 E.

Land, rolling and broken.
Soil, sandy and rocky.
No timber.

From the cor. of secs. 2, 3, 34, and 35, on the N. bdy. of the Tp., an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record of the 1940 survey of the South Boundary of T. 27 S., R. 16 E.

S. 0° 01' E., bet. secs. 2 and 3.

Over rolling and broken land.

21.10

Rut road, bears NW. and SE.

40.37

Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 3.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 16 ins. in the ground to bedrock, and in a mound of stone to top, with brass cap mkd.

↑
S 3 | S 2
1954

50.50

Draw, drains W.

56.00

Draw, drains NW.

80.37

Point for the cor. of secs. 2, 3, 10, and 11.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 10 ins. in the ground to bedrock, and in a mound of stone to top, with brass cap mkd.

T28S R16E
S 3 | S 2
S 10 | S 11
1954

Land, rolling and broken.
Soil, sandy and rocky.
No timber.

N. 89° 52' E., bet. secs. 2 and 11.

Over broken, rocky land.

5.20

Thence over gently rolling land, through thinly scattering pinon and cedar.

37.90

Rut road, bears N. 20° W. and S. 20° E.

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 11.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 12 ins. in the ground to bedrock, and in a mound of stone to top, with brass cap mkd.

Portion of the Subdivision of Township 28 South, Range 16 East

Chains	
	$\begin{array}{r} \frac{S}{S} \frac{2}{11} \\ 1954 \end{array}$ <p>No suitable bearing trees available.</p>
42.80	Thence over rolling and broken land.
48.80	Ravine, drains NW.
67.00	Ravine, drains N. 20° E.
71.00	Draw, drains N.
79.70	Wide, sandy draw, drains N.
80.00	Point for the cor. of secs. 1, 2, 11, and 12.
	Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground to bedrock, and in a mound of stone to top, with brass cap mkd.
	$\begin{array}{c} T28S R16E \\ \begin{array}{ c c } \hline S & 2 \\ \hline S & 11 \\ \hline \end{array} \begin{array}{ c c } \hline S & 1 \\ \hline S & 12 \\ \hline \end{array} \\ 1954 \end{array}$ <p>No suitable bearing trees available.</p> <p>Land, rolling and broken. Soil, sandy and rocky. Timber, thinly scattering cedar and pinon.</p>
	N. 0° 12' W., bet. secs. 1 and 2.
	Over rolling and broken land, through thinly scattering cedar and pinon timber.
26.40	Descend gradually over bare sandstone.
40.00	Point for the ¼ sec. cor. of secs. 1 and 2.
	Set an iron post, 30 ins. long, 2½ ins. diam., on exposed sandstone, and in a mound of stone, 4 ft. base, to top, with brass cap mkd.
	$\begin{array}{c} \frac{1}{4} \\ \begin{array}{ c c } \hline S & 2 \\ \hline S & 1 \\ \hline \end{array} \\ 1954 \end{array}$
60.00	Top of main descent, bears E. and W.; descend broken N. slope.
64.00	Bottom of main descent, bears E. and W.; over gently rolling land, descending gradually.
80.11	The cor. of secs. 1, 2, 35, and 36, on the N. bdy. of the Tp., an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record of the 1940 survey of the South Boundary of T. 27 S., R. 16 E.
	Land, rolling and broken. Soil, sandy and rocky. Timber, thinly scattering pinon and cedar.

Portion of the Subdivision of Township 28 South, Range 16 East

Chains

From the cor. of secs. 15, 16, 21, and 22.

S. $89^{\circ} 57'$ W., bet. secs. 16 and 21.

Over rolling and broken land, through thinly scattering cedar and pinon timber, descending gradually.

30.00

Gulch, drains N. 20° W.

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 16 and 21, falls on sandstone outcropping.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., on exposed sandstone, and in a mound of stone, 4 ft. base, to top, with brass cap mkd.

$\frac{1}{4}$ S 16
S 21

1954

No suitable bearing trees available.

52.20

Descend broken NW. slope of sandstone.

71.80

Draw, drains N.; ascend broken E. slope.

74.30

Saddle between sandstone knobs, on a low spur, sloping N.; descend broken NW. slope.

80.00

Point for the cor. of secs. 16, 17, 20, and 21, falls on sandstone outcropping.

Set an iron post, 15 ins. long, 1 in. diam., 6 ins. in a hole drilled in sandstone, and in the center of a chiseled cross (X), with brass cap mkd.

T28S R16E

S 17 S 16
S 20 S 21

1954

Land, rolling and broken.

Soil, sandy and rocky.

Timber, thinly scattering cedar and pinon.

N. $0^{\circ} 03'$ W., bet. secs. 16 and 17.

Over rolling and broken land and numerous sandstone outcroppings, through thinly scattering cedar and pinon timber.

31.50

Draw, drains W.

36.00

Draw, drains W.

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 16 and 17, falls on sandstone outcropping.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., on exposed sandstone, and in a mound of stone, 4 ft. base, to top, with brass cap mkd.

S 17 S 16

1954

No suitable bearing trees available.

Ascend broken S. slope, over a series of sandstone ledges and knobs.

Portion of the Subdivision of Township 28 South, Range 16 East

Chains

63.20

Low ridge, bears E. and W.; descend broken N. slope, over a series of sandstone ledges and knobs; leave scattering timber.

80.00

Point for the cor. of secs. 8, 9, 16, and 17, falls on sandstone outcropping.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., on exposed sandstone, and in a mound of stone, 4 ft. base, to top, with brass cap mkd.

T28S R16E

S 8 S 9

S 17 S 16

1954

Land, rolling and broken.

Soil, sandy and rocky.

Timber, thinly scattering cedar and pinon.

From the cor. of secs. 9, 10, 15, and 16.

N. $89^{\circ} 52'$ W., bet. secs. 9 and 16.

Over rolling and broken land and sandstone outcroppings.

4.00

Draw, drains S. 20° W.

13.70

Descend over broken land, sloping generally SW.

27.00

Draw, drains SW.

38.50

Draw, drains SW.

40.05

Point for the $\frac{1}{4}$ sec. cor. of secs. 9 and 16, falls on sandstone outcropping.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., on exposed sandstone, and in a mound of stone, 4 ft. base, to top, with brass cap mkd.

S 9

S 16

1954

72.00

Draw, drains NW.; along a broken N. slope.

80.10

The cor. of secs. 8, 9, 16, and 17.

Land, rolling and broken.

Soil, sandy and rocky.

No timber.

From the cor. of secs. 4, 5, 32, and 33, on the S. bdy. of the Tp., an iron post, $2\frac{1}{2}$ ins. diam., set, mkd. and witnessed as described in the official record of the concurrent surveys of T. 29 S., R. 16 E.

N. $0^{\circ} 03'$ W., bet. secs. 32 and 33.

Over gently rolling land, through thinly scattering cedar and pinon timber.

4.80

Draw, drains NW.

11.00

Draw, drains W.

Portion of the Subdivision of Township 28 South, Range 16 East

Chains

46.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 32 and 33, approximately 2 chs. N. of a sandstone outcropping.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.

S 32 S 33

1954

Deposit glass of a broken bottle around the iron post.

No suitable bearing trees available.

55.00 Draw, drains NW.; ascend broken SW. slope.

60.00 Low spur, slopes NW.; descend broken N. slope.

64.50 Draw, drains W.; over gently rolling land.

80.00 Point for the cor. of secs. 28, 29, 32, and 33.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground to bedrock, and in a mound of stone to top, with brass cap mkd.

T28S R16E

S 29 S 28

S 32 S 33

1954

No suitable bearing trees available.

Land, rolling.

Soil, sandy and rocky.

Timber, thinly scattering cedar and pinon.

From the true point for the cor. of secs. 5, 6, 31, and 32.

N. $0^{\circ} 03'$ W., bet. secs. 31 and 32.

Descend N. slope of sandstone mountain.

0.12 The witness cor. of secs. 5, 6, 31, and 32, an iron post, $2\frac{1}{2}$ ins. diam., set and marked as described in the official record of the concurrent surveys of T. 29 S., R. 16 E.; descend broken NW. slope.

5.50 Base of main descent, bears NE. and SW.; along top of a spur, sloping N.

38.00 Descend NW. slope at N. end of spur.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 31 and 32.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 10 ins. in the ground to bedrock, and in a mound of stone to top, with brass cap mkd.

S 31 S 32

1954

55.50 Draw in bottom of fork of Spur Canyon, drains NE.; over rolling and broken land in the bottom of canyon.

Portion of the Subdivision of Township 28 South, Range 16 East

Chains

67.00 Draw, drains NE.; ascend along a broken E. slope, at W. side of canyon.

80.00 Point for the cor. of secs. 29, 30, 31, and 32, approximately 1 ch. E. of the base of a sandstone wall, bearing N. and S.

Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock, and in a mound of stone to top, with brass cap mkd.

T28S R16E

S 30 S 29

S 31 S 32

1954

Land, rolling and broken.

Soil, sandy and rocky.

No timber.

From the cor. of secs. 28, 29, 32, and 33.

N. 89° 54' W., bet. secs. 29 and 32.

Over gently rolling land, through thinly scattering cedar and pinon timber.

40.02 Point for the ¼ sec. cor. of secs. 29 and 32, falls on sandstone outcropping.

Set an iron post, 30 ins. long, 2½ ins. diam., on exposed sandstone, and in a mound of stone, 4 ft. base, to top, with brass cap mkd.

¼ S 29
S 32

1954

No suitable bearing trees available.

Ascend broken SE. slope, over sandstone ledges.

58.00 Sandstone spur, slopes S.; descend steep W. slope, over sandstone ledges.

73.00 Main draw in bottom of Spur Fork Canyon, drains N.; ascend broken E. slope.

80.04 The cor. of secs. 29, 30, 31, and 32.

Land, rolling and broken.

Soil, sandy and rocky.

Timber, thinly scattering pinon and cedar.

1954

1954

General Description
Township 28 South, Range 16 East

The lands embraced by this township are rolling and broken uplands, cut by Spur Fork Canyon, draining northerly in the western portion of the lands, and Millard Canyon in the southeast, draining northeasterly to the Green River. The soil is sandy, with numerous sandstone outcroppings in the rougher portions. The land is generally covered by a thinly scattering stand of cedar and pinon timber. A rut road, leaving the main road at Hans Flats, enters the township in sec. 35, meanders northerly, leaving in sec. 3. There are no known springs in the township.

There is considerable activity in the staking of location mining claims along the ledges of Millard Canyon. The main interest is the Uranium bearing Shinarump formation. Practically all of these claims are undeveloped.

CERTIFICATE OF CADASTRAL ENGINEER

I, Stephen Schmidt, Jr., HEREBY CERTIFY upon honor that
pursuance of special instructions bearing date of the 19th day of April, 1955
I have surveyed the west boundary and a portion of the subdivision, of Township 28
South, Range 16 East.

of the Salt Lake Meridian, in the State of Utah, which is
represented in the foregoing field notes as having been executed by me and under my direction; and that
said survey has been made in strict conformity with said instructions, the Manual of Instructions for the
Survey of the Public Lands of the United States, and in the specific manner described in the foregoing
field notes.

February 8, 1955

Denver, Colorado

Cartographer (Cadastral)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., MAY 11 1955, 1955

The foregoing field notes of the survey of the west boundary and a portion of the sub-
division of Township 28 South, Range 16 East, Salt Lake Meridian, Utah,

executed by Stephen Schmidt, Jr., Cartographer (Cadastral)

having been critically examined and found correct, are hereby approved.

Chief, Division of Cadastral Engineering
Cadastral Engineering Staff Office

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in _____
_____, is a true copy of the original field notes.

Chief, Division of Cadastral Engineering

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

of the

Survey of the North and East Boundaries,

a

Portion of the Subdivision,

and

Meanders of the Right Bank of the Green River

Through Sections 1 and 2,

Fractional Township 28 South, Range 17 East

Of the Salt Lake Meridian,

In the State of Utah

EXECUTED BY

Stephen Schmidt, Jr., Cartographer (Cadastral)

Irene G. Edmonds, Cartographic Survey Aid

Paul K. Russell, Cartographic Survey Aid

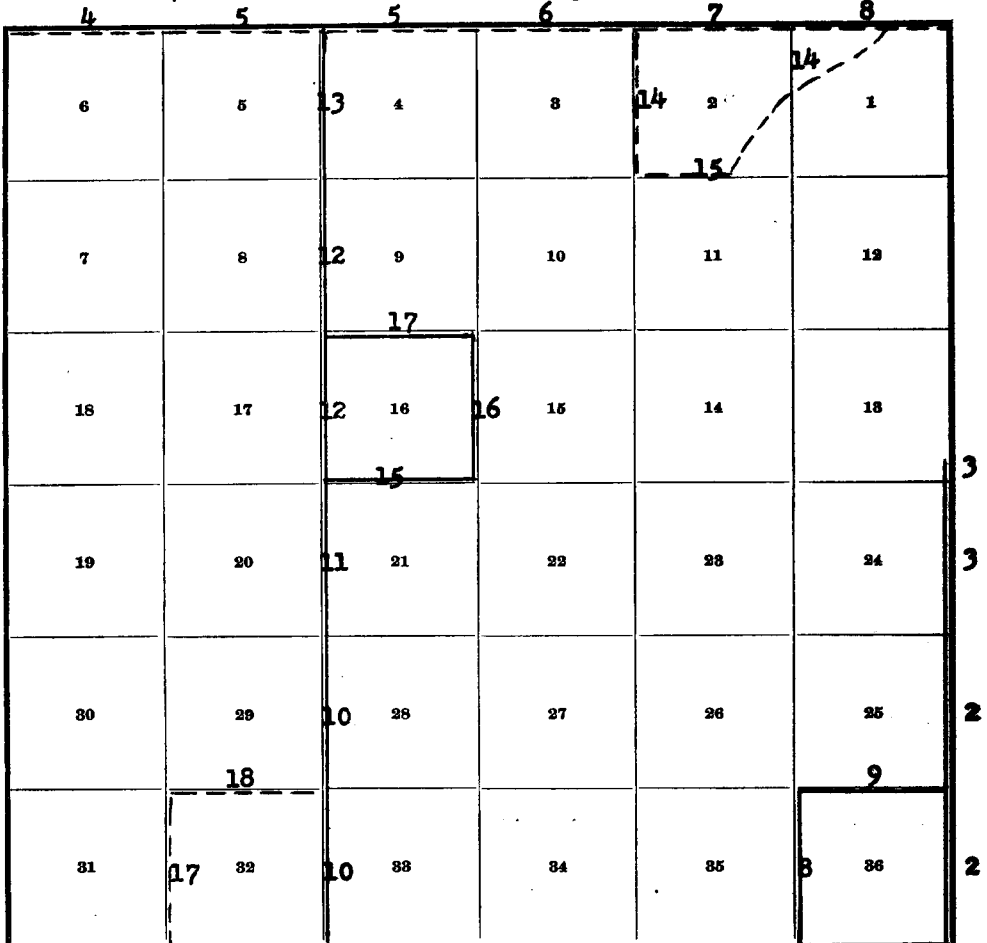
Under special instructions dated April 19, 1954, which provided
for the surveys included under Group No. 393, approved May 4, 1954
and assignment instructions dated April 29 and June 3, 1954

Survey commenced August 24, 1954

Survey completed November 16, 1954

INDEX DIAGRAM

Township 28 South, Range 17 East



16-56770-1

Meanders of the Right Bank of the Green River.....Page 19

- Lines surveyed by Lynn G. Edmonds.
- - - Lines surveyed by Stephen Schmidt, Jr.
- Lines surveyed by Paul K. Russell

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North and East Boundaries, a Portion of the Subdivision, and Meanders of the Right Bank of the Green River Through Sections 1 and 2, of Fractional Township 28 South, Range 17 East.

The west boundary was surveyed in 1936 by R. C. Yundt, and its record appears in the field notes of the survey of the range line between ranges 16 and 17 east in township 28 south. The south boundary was concurrently surveyed in 1954 by Stephen Schmidt, Jr., under Group 392, and the record appears in the field notes of T. 29 S., R. 17 E.

The following field notes are those of the survey of the north and east boundaries, a portion of the subdivision, and meanders of the right bank of the Green River through sections 1 and 2, of Fractional Township 28 South, Range 17 East, deemed sufficient in extent to facilitate development of the natural resources and mark the boundaries of those sections that normally are considered State school sections.

The survey was executed with W. and L. E. Gurley transit No. 481346 and Buff and Buff transit No. 23815. Both are equipped with full vertical circles and improved Smith-type telescopic solar attachments, and conform to the standard instrumental specifications of the Bureau of Land Management. The instruments were maintained in precise adjustment throughout the progress of this survey.

The directions of the lines of survey were determined generally by sustained angulation carried forward from the hour angle observation on Polaris contained in the field notes of Township 28 South, Range 16 East, surveyed concurrently under this same group. The lines were further verified by altitude observations on the sun for azimuth, and by use of the solar attachments, at numerous points along the lines of survey. The solar attachments were maintained in precise adjustment by tests on the controlling Polaris meridian.


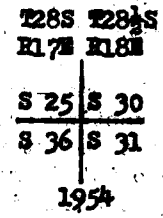

Corners on the east-west lines were set on the true latitudinal curve. Lines connecting previously established corners were run by random and true method but for simplification of the record the random lines are omitted from the field notes. In accordance with the intent of the special instructions all subdivisional corners established are calculated to be at the position they would occupy if the entire township were subdivided.

Measurements were made with narrow steel tapes, 8 chains in length, graduated every link for the first 100 links and the remainder at intervals of 10 links. The tapes were tested by comparison with a one-chain standard steel tape and found correct. All measurements were made on the slope and the vertical angle of each interval ascertained by a clinometer in good adjustment; the horizontal equivalents alone are entered in the field note record. The lengths of all lines were determined by chaining where possible; otherwise by traverse or triangulation. The details of such traverses or triangulations have been thoroughly verified and in order to simplify the record the diagrams and reductions are omitted from these field notes.

The geographic position for the southeast corner of this township is in latitude $38^{\circ} 19' 32''$ N. and longitude $109^{\circ} 59' 45''$ W., as determined by traverse from United States Geological Survey Triangulation Station "Millard", situated in sec. 35, T. 29 S., R. 16 E.

The magnetic declination was read at a number of stations throughout the township and the average of the several readings was found to be 15° E.

East Boundary of Township 28 South, Range 17 East

Chains	
	Beginning at the cor. of Ts. 28 and 29 S., R. 17 E., and Ts. 28 $\frac{1}{2}$ and 29 S., R. 18 E., an iron post, 2 $\frac{1}{2}$ ins. diam., set, mkd. and witness as described in the official record of the concurrent surveys of T. 29 S., R. 17 E.
	North, bet. secs. 31 and 36.
	Ascend gentle S. slope.
35.00	Low ridge, bears N. 60° E. and S. 60° W.; descend NW. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 31 and 36.
	Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 5 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base, to top, with brass cap mkd.
	
44.00	Base of main descent, bears NE. and SW.; over gently rolling land.
80.00	Point for the cor. of secs. 25, 30, 31, and 36.
	Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 25 ins. in the ground with brass cap mkd.
	
	Raise a mound of stone, 3 ft. base, 2 ft. high, W. of corner.
	Land, rolling and broken. Soil, sandy and rocky. No timber.
	North, bet. secs. 25 and 30.
	Over gently rolling land.
18.60	Draw, drains NE.; ascend gentle SE. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 25 and 30.
	Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 6 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base, to top, with brass cap mkd.
	
53.70	Low spur, slopes N. 70° E.; descend gentle NW. slope.
60.00	Thence over gently rolling land.
80.00	Point for the cor. of secs. 19, 24, 25, and 30.
	Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 25 ins. in the ground with brass cap mkd.

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Section VI and East Boundary of Township 28 South, Range 17 East.

Chains

T28S T28½S

R17E R18E

S 24 S 19

S 25 S 30

1954

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of corner.

Land, rolling and broken.

Soil, sandy and rocky.

No timber.

North, bet. secs. 19 and 24.

Over gently rolling land, along top of low spur, sloping N.

13.60

Descend N. end of spur.

21.70

Base of main descent, bears N. and W.; descend gradually over bare sandstone.

40.00

Point for the ½ sec. cor. of secs. 19 and 24.

Set an iron post, 15 ins. long, 1 in. diam., 6 ins. in a hole drilled in sandstone, with brass cap mkd.

S 24 S 19

1954

52.00

N. rim of a deep canyon, draining N. to the Green River, bears N. and W.; over canyon by triangulation.

58.75

Approximate, bottom of canyon; drains N. 80° E.

65.20

N. rim of canyon, bears N. and W., determined by triangulation; over gently rolling land and sandstone outcroppings.

80.00

Point for the cor. of secs. 13, 18, 19, and 24, falls on sandstone outcropping.

Set an iron post, 15 ins. long, 1 in. diam., 6 ins. in a hole drilled in sandstone, with brass cap mkd.

T28S T28½S

R17E R18E

S 13 S 18

S 24 S 19

1954

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of corner.

Land, rolling and broken, and deep canyon.

Soil, sandy and exposed sandstone.

No timber.

North, bet. secs. 13 and 18.

Over gently rolling land and sandstone outcroppings.

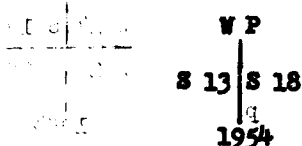
26.31

Rim of the Green River Canyon, a sandstone ledge, approximately 200 ft. high, bears NE. and SW.

East Boundary of Township 28 South, Range 17 East.

Chains

Set an iron post, 15 ins. long, 1 in. diam., 6 ins. in a hole drilled in sandstone, with brass cap mkl.



Raise a mound of stone, 3 ft. base, 2 ft. high, W. of corner.

Impracticable to survey line north to the right bank of the Green River.

Land, rolling and broken.

Soil, sandy, with sandstone outcroppings.

No timber.

North Boundary of Township 28 South, Range 17 East.

From the cor. of Ts. 27 and 28 S., Rs. 16 and 17 E., an iron post, 3 ins. diam., set, mkl. and witnessed as described in the official record of the 1936 survey of the Range Line Between Ranges 16 and 17 East in Township 28 South,

East, bet. secs. 6 and 31.

Over rolling sand dunes, through thinly scattering cedar and pinon timber.

14.30 W. rim of canyon, a sandstone ledge, 90 ft. high, bears N. 30° E. and S. 30° W.; descend into canyon.

21.20 Draw in bottom of Glyde Spring Canyon, drains N. 30° E.; over bottom of canyon.

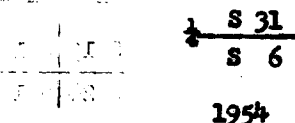
23.10 Toe of a spur, sloping N.

24.80 Draw in bottom of canyon, drains N.; ascend steep NW. slope, over sandstone ledges.

36.40 E. rim of canyon, bears N. 30° E. and S. 30° W.; over rolling mesa.

38.29 Point for the $\frac{1}{4}$ sec. cor. of secs. 6 and 31.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 12 ins. in the ground to bedrock, and in a mound of stone to top, with brass cap mkl.



No suitable bearing trees available.

48.80 NE. end of small mesa, bears NW. and S.; descend broken NE. slope, over sandstone ledges.

53.00 Base of main descent, bears NW. and SE.; over gently rolling land.

78.29 Point for the cor. of secs. 5, 6, 31, and 32.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 16 ins. in the ground to bedrock, and in a mound of stone to top, with brass cap mkl.

North Boundary of Township 28 South, Range 17 East.

Chains

T27S R17E

S 31 S 32

S 6 S 5

T28S

1954

No suitable bearing trees available.

Land, rolling and broken.

Soil, sandy and rocky.

Timber, thinly scattering cedar and pinon.

East, bet. secs. 5 and 32.

Over rolling and broken land and sandstone outcroppings, through thinly scattering cedar and pinon timber.

37.10

Top of descent, bears NE. and SE.; descend broken E. slopes over sandstone ledges.

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 5 and 32.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.

$\frac{1}{4}$ S 32
S 5

1954

Raise a mound of stone, 3 ft. base, 2 ft. high, N. of corner.

No suitable bearing trees available.

Over rolling and broken land and sandstone outcroppings.

80.00

Point for the cor. of secs. 4, 5, 32, and 33.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., on exposed sandstone, and in a mound of stone, 5 ft. base, to top, with brass cap mkd.

T27S R17E

S 32 S 33

S 5 S 4

T28S

1954

No suitable bearing trees available.

Land, rolling and broken.

Soil, sandy, with sandstone outcroppings.

Timber, thinly scattering cedar and pinon.

East, bet. secs. 4 and 33.

Over broken land and sandstone outcroppings, through thinly scattering pinon and cedar timber.

13.00

Rim of mesa, bears NE. and SW.; over cove in mesa wall, by triangulation.

25.50

Rim of mesa, bears N. 60° W. and SE., determined by triangulation; over broken land and sandstone outcroppings.

Chains

40.00

Point for the $\frac{1}{2}$ sec. cor. of secs. 4 and 33.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., on exposed sandstone and in a mound of stone, 5 ft. base, to top, with brass cap mkl.

$$\begin{array}{r} \frac{1}{2} \text{ S } 33 \\ \text{S } 4 \end{array}$$

1954

No suitable bearing trees available.

80.00

Point for the cor. of secs. 3, 4, 33, and 34.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 8 ins. in the ground to bedrock, and in a mound of stone to top, with brass cap mkl.

T278 R17E

$$\begin{array}{r} \text{S } 33 \text{ S } 34 \\ \text{S } 4 \text{ S } 3 \end{array}$$

T288

1954

No suitable bearing trees available.

Land, broken.

Soil, sandy and rocky.

Timber, thinly scattering pinon and cedar.

East, bet. secs. 3 and 34.

Descend gentle E. slope, over sandstone outcroppings, through thin, scattering pinon and cedar timber.

9.20

Rim of mesa, bears N. and S.; descend 940 ft. over high sandstone ledges and precipitous E. slope, by triangulation; leave timber.

40.00

Point for the $\frac{1}{2}$ sec. cor. of secs. 3 and 34, determined by triangulation, falls at base of a sandstone ledge, bearing NW. and SE.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 10 ins. in the ground to bedrock, and in a mound of stone to top, with brass cap mkl.

$$\begin{array}{r} \frac{1}{2} \text{ S } 34 \\ \text{S } 3 \end{array}$$

1954

Over broken land.

67.00

Gulch, drains SE.

80.00

Point for the cor. of secs. 2, 3, 34, and 35.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground to bedrock, and in a mound of stone to top, with brass cap mkl.

North Boundary of Township 28 South, Range 17 East

Chains

T27S R17E

S 34 S 35

S 3 S 2

T28S

1954

Land, rough and broken.

Soil, rocky.

Timber, thinly scattering cedar and pinon on mesa.

East, bet. secs. 2 and 35.

Over broken land.

18.50 Gulch, drains S.

31.80 Gulch, drains S.; ascend broken W. slope.

34.50 Spur, slopes S. 20° E.; descend broken E. slope, over sandstone ledges.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 35.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., on exposed sandstone, and in a mound of stone, 5 ft. base, to top, with brass cap mkd.

$\frac{1}{4}$ S 35
S 2

1954

40.40 Top of sandstone ledge, 30-ft. high, bears N. and S.; descend into ravine.

42.10 Ravine, drains N. 10° E.; ascend broken W. slope, over sandstone ledges.

47.30 Spur, covered with sandstone boulders, slopes N. 10° E.; descend steep E. slope.

53.00 Draw, drains N.; ascend broken NW. slope.

67.30 Lev ridge, bears NE. and SW.; descend broken SE. slope.

76.00 Descent eases.

80.00 Point for the cor. of secs. 1, 2, 35, and 36.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 8 ins. in the ground to bedrock, and in a mound of stone to top, with brass cap mkd.

T27S R17E

S 35 S 36

S 2 S 1

T28S

1954

Land, rolling and broken.

Soil, sandy and rocky.

No timber.

Chains

East, bet. secs. 1 and 36.

Descend gradually over E. slope.

34.00

Bottom of sandstone ledge, bears NE. and SW.; over bottom land of the Green River Canyon, through dense undergrowth and a small grove of cottonwood timber.

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 36.Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 24 ins. in the ground with brass cap mkd.

$$\begin{array}{r} S\ 36 \\ \hline S\ 1 \end{array}$$

1954

from which

A cottonwood, 30 ins. diam., bears N. 61° 15' E., 5.90 chs. dist., mkd. $\frac{1}{4}$ S36 BT.A cottonwood, 30 ins. diam., bears S. 43° E., 1.48 chs. dist., mkd. $\frac{1}{4}$ S1 BT.

44.34

Right bank of the Green River, bears NE. and SW.

Point for the meander cor. of secs. 1 and 36.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 24 ins. in the ground with brass cap mkd.

T27S

$$\begin{array}{c} S\ 36 \\ \hline S\ 1 \end{array} \quad \begin{array}{c} R17E \\ \hline R18E \end{array}$$

T28S

1954

from which

A cottonwood, 30 ins. diam., bears S. 77° 45' W., 3.78 chs. dist., mkd. T28S R17E S1 MC BT.

A cottonwood, 30 ins. diam., bears N. 31° 45' W., 2.35 chs. dist., mkd. T27S R17E S36 MC BT.

Land, rolling and level river bottom.

Soil, sandy and rocky.

Timber, scattering cottonwood in river bottom.

Portion of the Subdivision of Township 28 South, Range 17 East

Beginning at the cor. of secs. 1, 2, 35, and 36, on the S. bdy. of the Tp., an iron post, 1 in. diam., set, mkd. and witnessed as described in the official record of the concurrent surveys of T. 29 S., R. 17 E.

N. 0° 01' W., bet. secs. 35 and 36.

Over rolling and broken land.

16.60

Draw, drains NE.

325

Part of the Subdivision of Township 28 South, Range 17 East

Chains

Point for the $\frac{1}{4}$ sec. cor. of secs. 35 and 36.
Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkt.

S 35 S 36

1954

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of corner.

59.50

Draw, drains NE.

80.00

Point for the cor. of secs. 25, 26, 35, and 36.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkt.

T28S R17E

S 26 S 25

S 35 S 36

1954

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of corner.

Land, rolling and broken.

Soil, sandy and rocky.

No timber.

From the cor. of secs. 25, 30, 31, and 36, on the E. bdy. of the Tp.
N. $89^{\circ} 58'$ W., bet. secs. 25 and 36.

Over gently rolling land.

7.60

Draw, drains N. 10° W.; ascend gentle E. slope.

15.70

Ascend steep, rocky E. slope.

25.40

Spur, slopes N. 10° W.; descend steep W. slope.

32.00

Base of descent, bears N. and S.; over rolling and broken land.

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 25 and 36.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkt.

S 25
S 36

1954

Raise a mound of stone, 3 ft. base, 2 ft. high, N. of corner.

46.20

Draw, drains N. 30° W.

66.50

Draw, drains N. 20° E.

80.04

The cor. of secs. 25, 26, 35, and 36.

Land, rolling and broken.

Soil, sandy and rocky.

No timber.

Portion of the Subdivision of Township 28 South, Range 17 East

Chains	
	From the cor. of secs. 4, 5, 32, and 33, on the S. bdy. of the Tp., an iron post, 2½ ins. diam., set, and witnessed as described in the official record of the concurrent surveys of T. 29 S., R. 17 E., N. 0° 03' W., bet. secs. 32 and 33.
	Over broken land, along bottom of E. Millard Canyon.
40.00	Point for the ¼ sec. cor. of secs. 32 and 33. Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to bedrock, and in a mound of stone to top, with brass cap mkd.
	<div style="text-align: center;"> </div>
	1954
51.20	Large draw, drains N. 60° W.
52.00	Rut road in bottom of draw, bears NW. and SE.
58.50	Same road, bears NE. and SW., in bottom of main draw, draining NE.
65.30	Same road, bears E. and W., in bottom of draw, draining S. 60° W.
79.00	Main draw, drains N. 70° E.
80.00	Point for the cor. of secs. 28, 29, 32, and 33, at edge of draw. Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground with brass cap mkd.
	<div style="text-align: center;"> </div>
	1954
	Raise a mound of stone, 3 ft. base, 2 ft. high, W. of corner.
	Land, rolling and broken. Soil, sandy and rocky. No timber.
	N. 0° 03' W., bet. secs. 28 and 29.
	Over broken land, along bottom of E. Millard Canyon.
0.90	Rut road, bears NE. and SW.
27.60	Main draw, drains NW.
30.20	Same road, bears E. and W.
31.20	Same draw, drains N. 60° E.
33.90	Same road, bears NE. and SW.; ascend over sandstone ledge, 40-ft. high, bearing NE. and SW.
40.00	Point for the ¼ sec. cor. of secs. 28 and 29, on N. end of a small bench. Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground with brass cap mkd.

Part of the Subdivision of Township 28 South, Range 17 East

Chains

S 29 S 28

1954

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of corner.

Descend broken NW. slope.

46.50

Base of descent, bears NW, and SE.; over broken land.

55.75

Draw, near head, drains E.

73.20

Main draw, drains W.

80.00

Point for the cor. of secs. 20, 21, 28, and 29.

Set an iron post, 30 ins. long, 2½ ins. diam., 25 ins. in the ground, with brass cap mkd.

T28S R17E

S 20 S 21

S 29 S 28

1954

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of corner.

Land, melling and broken.

Soil, sandy and rocky.

No timber.

N. 0° 03' W., bet. secs. 20 and 21.

1.50

Over broken land, along bottom of E. Millard Canyon.

36.70

Main draw, drains E.

Main draw, drains S. 80° W.

40.00

Point for the ¼ sec. cor. of secs. 20 and 21, falls on S. side of main draw, draining N. 80° E.

Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.

S 20 S 21

1954

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of corner.

40.60

But road, crossing Main draw, bears N. 10° W. and S. 10° E.

45.00

Same road, bears NE. and SW.

50.75

Small draw, drains E.

59.40

Draw, drains E. from S. 70° W.; along draw.

63.30

Draw, drains E.; ascend broken S. slope, leaving bottom of E. Millard Canyon.

69.00

Ascend steep SE. slope.

77.50

Spur, slopes steeply S. 70° E.; descend steep NE. slope.

Partion of the Subdivision of Township 28 South, Range 17 East

Chains

80.00

Point for the cor. of secs. 16, 17, 20, and 21.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 16 ins. in the ground, to bedrock, and in a mound of stone to top, with brass cap mkd.

T28S R17E

S 17 S 16

S 20 S 21

1954

Land, rolling and broken.
Soil, sandy and rocky.
No timber.

N: $0^{\circ} 03' W.$, bet. secs. 16 and 17.

Ascend rocky SE. slope, over sandstone ledges.

7.50

Top of sandstone ledge, bears NE. and SW.; over nearly level bench.

11.60

Top of sandstone ledge, bears NW. and SE.; descend over ledge and steep N. to NE. slopes.

21.00

Base of descent, bears E. and W.; over extremely rough and broken land.

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 16 and 17.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

S 17 S 16

1954

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of corner.

53.00

Base of main ascent, bears N. $60^{\circ} E.$ and S. $60^{\circ} W.$; ascend steep S. to SE. slopes, over sandstone ledges.

66.50

Divide between E. Millard and Millard Canyons, bears NE. and SW.; descend steep NW. slope, over sandstone ledges.

80.00

Point for the cor. of secs. 8, 9, 16, and 17.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., on a cross (X) chiseled in sandstone, and in a mound of stone, 5 ft. base, to top, with brass cap mkd.

T28S R17E

S 8 S 9

S 17 S 16

1954

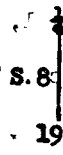
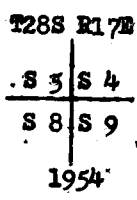
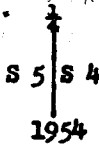
Land, rough and broken.
Soil, sandy and rocky.
No timber.

N. $0^{\circ} 03' W.$, bet. secs. 8 and 9.

Descend steep NW. slope, over sandstone ledges.

Part of the Subdivision of Township 28 South, Range 17 East

Chains

- 26,300 Base of main descent, bears NE. and SW.; continue descent over gentle northerly slopes.
- 39,30 Main draw of Millard Canyon, rut road in bottom, drains S. 70° E.; ascend broken SW. slope.
- 46,00 Point for the $\frac{1}{4}$ sec. cor. of secs. 8 and 9.
- Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 4 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base, to top, with brass cap mkd.
- 
- 45,00 Low spur, slopes S. 60° E.; descend NE. slope.
- 54,50 Draw, drains S. 60° E.; ascend along broken W. slope.
- 72,70 Ascend gentle S. slope.
- 80,00 Point for the cor. of secs. 4, 5, 8, and 9.
- Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 26 ins. in the ground, with brass cap mkd.
- 
- Raise a mound of stone, 3 ft. base, 2 ft. high, W. of corner.
- Land, rolling and broken.
Soil, sandy and rocky.
No timber.
-
- N. 0° 14' W., bet. secs. 4 and 5.
- Ascend gentle S. slope.
- 1,20 Base of main ascent, bears E. and W.; ascend steep S. slope, over sandstone ledges.
- 7,80 Top of sandstone ledge, 20 ft. high, bears NE. and W.; ascend SE. slope.
- 19,00 Spur, slopes S. 30° E.; descend NE. slope.
- 40,00 Point for the $\frac{1}{4}$ sec. cor. of secs. 4 and 5.
- Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 4 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base, to top, with brass cap mkd.
- 
- Ascend 640 ft. over head of small ravine and precipitous S. to SW. slopes, and high sandstone ledges, out of Millard Canyon.

Portion of the Subdivision of Township 28 South, Range 17 East.

Chains

74.40

Rim of mesa, bears S. 60° E. and N. 60° W., determined by triangulation; over rolling mesa land, through thinly scattering cedar and pinon timber.

80.39

The cor. of secs. 4, 5, 32, and 33, on the N. bdy. of the Tp.

Land, rough and broken.

Soil, sandy and rocky.

Timber, scattering pinon and cedar on mesa top.

From the cor. of secs. 1, 2, 35, and 36, on the N. bdy. of the Tp.

S. 0° 01' E., bet. secs. 1 and 2.

Over gently rolling land.

5.00

Base of ascent, bears E. and W.; ascend broken E. slope.

11.30

Top of ascent, bears SE. and W.; over top of small mesa, along E. edge.

17.30

Edge of mesa, bears N. 20° E. and SW.; descend broken SE. slope, over a series of high sandstone ledges.

28.30

Top of sandstone ledge, 30 ft. high, bears N. 65° E. and S. 65° W.;

30.13

Right bank of the Green River, bears N. 64° E. and S. 64° W.

Point for the meander cor. of secs. 1 and 2.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T28S R17E

S 2 | S 1

N C

1954

Raise a mound of stone, 3 ft. base, 2 ft. high, E. of corner.

Land, rough and broken.

Soil, sandy and rocky.

No timber.

From the cor. of secs. 2, 3, 34, and 35, on the N. bdy. of the Tp.

S. 0° 01' E., bet. secs. 2 and 3.

Over rolling and broken land.

4.20

Draw, drains S. 80° E.

40.20

Point for the ¼ sec. cor. of secs. 2 and 3, falls on top of a low ridge, bearing E. and W.

Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock, and in a mound of stone, 5 ft. base, to top, with brass cap mkd.

S 3 | S 2

1954

Descend broken S. slope.

Partion of the Subdivision of Township 28 South, Range 17 East

Chains

55.00 Draw, drains S. 20° E.; ascend NE. slopes.

63.20 Low spur, slopes S. 70° E.; descend S. slope.

67.00 Base of descent, bears E. and W.; over gently rolling land and sandstone outcroppings.

80.20 Point for the cor. of secs. 2, 3, 10, and 11.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 16 ins. in the ground to bedrock, and in a mound of stone to top, with brass cap mkd.

T28S R17E

S 3 S 2

S 10 S 11

1954

Land, rolling and broken.

Soil, sandy and rocky.

No timber.

N. $89^{\circ} 56'$ E., bet. secs. 2 and 11.

Over gently rolling land and sandstone outcroppings.

9.30 Draw, drains S.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 11.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 10 ins. in the ground to bedrock, and in a mound of stone to top, with brass cap mkd.

$\frac{1}{4}$ S 2
S 11

42.79 Right bank of the Green River, at top of a sandstone ledge 50 ft. above water, bears N. 31° E. and S. 31° W.

Point for the meander cor. of secs. 2 and 11.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., on exposed sandstone, and in a mound of stone to top, with brass cap mkd.

T28S R17E

S 2 / M
S 11 / G

1954

Land, gently rolling.

Soil, sandy and rocky.

No timber.

From the cor. of secs. 16, 17, 20, and 21.

East, bet. secs. 16 and 21.

Descend broken E. to NE. slopes.

Chains

ended

21.60 Main draw in bottom of E. Millard Canyon, rut road in bottom, drains N. 20° E. from SW.; over broken land.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 16 and 21.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 3 ins. in the ground to bedrock, and in a mound of stone, 5 ft. base, to top, with brass cap mkl.

S 16
S 21

1954

46.00 Draw, drains NW.

69.30 Draw, drains N. 20° W.; ascend broken W. slope,

80.00 Point for the cor. of secs. 15, 16, 21, and 22.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 10 ins. in the ground to bedrock, and in a mound of stone to top, with brass cap mkl.

T28S R17E

S 16 S 15
S 21 S 22

1954

Land, rough and broken.
Soil, sandy and rocky.
No timber.

N. 0° 02' W., bet. secs. 15 and 16.

Along steep broken W. slope.

27.00 Descend steep N. slope.

35.00 Hillside draw, drains N. 20° W.

39.90 Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 15 and 16.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., on exposed sandstone, and in a mound of stone, 5 ft. base, to top, with brass cap mkl.

W C
S 16 S 15
1954

40.00 True point for the $\frac{1}{4}$ sec. cor. of secs. 15 and 16, falls on side of large sandstone boulder.

47.30 Draw, drains W.; ascend broken SW. slope.

54.00 Spur, slopes N. 30° W.; descend broken NE. slope.

64.70 Draw, drains W.; over broken land.

80.00 Point for the cor. of secs. 9, 10, 15, and 16, at S. side of main draw in bottom of E. Millard Canyon, rut road in bottom, draining

Portion of the Subdivision of Township 28 South, Range 17 East

Chains

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 26 ins. in the ground, with brass cap mkd.

T28S R17E

S 9	S 10
S 16	S 15

1954

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of corner.

Land, rough and broken.

Soil, sandy and rocky.

No timber.

N. $89^{\circ} 45'$ W., bet. secs. 9 and 16.

Along main draw, draining E., rut road in bottom.

10.20 Draw, drains E. from N. 70° W.; over broken land.

23.40 Main draw, drains N. 20° E.; ascend broken E. slope, over small spurs and gulches.

39.90 Point for the $\frac{1}{4}$ sec. cor. of secs. 9 and 16.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 26 ins. in the ground, with brass cap mkd.

$\frac{1}{4}$	S 9
	S 16

1954

Raise a mound of stone, 3 ft. base, 2 ft. high, N. of corner.

53.80 Ascend steep E. slope, over sandstone ledges.

65.10 Top of ascent, bears NE. and SW.; over N. end of small mesa, divide between E. Millard and Millard Canyons.

68.00 Rim of mesa, bears NE. and SW.; descend steep NW. slope, over sandstone ledges, into Millard Canyon.

79.80 The cor. of secs. 8, 9, 16, and 17.

Land, rough and broken.

Soil, sandy and rocky.

No timber.

From the cor. of secs. 5, 6, 31, and 32, on the S. bdy. of the Tp., an iron post, $2\frac{1}{2}$ ins. diam., set, mkd. and witnessed as described in the official record of the concurrent surveys of T. 29 S., R. 17 E.

N. $0^{\circ} 03'$ W., bet. secs. 31 and 32.

Over rolling mesa top, through thinly scattering pines and cedar timber.

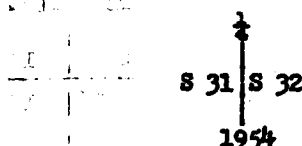
5.30 Rim of mesa, bears E. and W.; descend 440 ft. over high sandstone wall and precipitous NW. to W. slopes, by triangulation; leave timber.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 31 and 32, determined by triangulation, falls on steep rocky W. slope.

Part of the Subdivision of Township 28 South, Range 17 East

Chains

Set an iron post, 30 ins. long, 2½ ins. diam., on exposed sandstone, and in a mound of stone, 5 ft. base, to top, with brass cap mkd.



Along steep rocky W. slope.

79.11

Point selected for the witness cor. of secs. 29, 30, 31, and 32, at base of high sandstone wall, bearing NW. and SE.

Set an iron post, 30 ins. long, 2½ ins. diam., 14 ins. in the ground to bedrock, and in a mound of stone to top, with brass cap mkd.

T28S R17E

W C

1954

Ascend approximately 400 ft. to top of isolated mesa.

80.00

True point for the cor. of secs. 29, 30, 31, and 32, falls on isolated mesa.

Land, precipitous slopes and high sandstone walls.

Soil, rocky.

Timber, thinly scattering pinon and cedar on mesa top.

From the cor. of secs. 28, 29, 32, and 33.

N. 89° 48' W., bet. secs. 29 and 32.

Over rolling and broken land.

2,80

Rut road, bears N. 70° E. and SW.

23,70

Low spur, slopes N. 20° E.

38,80

Draw, drains N.; ascend broken E. slope.

40.18

Point for the ¼ sec. cor. of secs. 29 and 32.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground with brass cap mkd.

1954

Raise a mound of stone, 3 ft. base, 2 ft. high, N. of corner.

52,70

Ascend steep rocky E. slope.

76.10

Base of high sandstone wall, bears N. and S.; ascend approximately 400 ft.

80.36

The true point for the cor. of secs. 29, 30, 31, and 32.

Land, rough and broken.

Soil, sandy and rocky.

No timber.

**Meanders of the Right Bank of the Green River
Through Sections 1 and 2, Township 28 South, Range 17 East**

From the meander cor. of secs. 1 and 36, on the N. bdy. of the Tp., and on the right bank of the Green River.

Thence downstream with the meanders of the right bank of the river, in sec. 1.

Over bottom land, along a well defined bank, through dense tamarisk.

S. 43° 30' W., 7.20 chs.

S. 51° 30' W., 21.50 chs.

S. 61° 00' W., 9.70 chs.

S. 64° 00' W., 15.72 chs. The meander cor. of secs. 1 and 2.

Land, level bottom.

Soil, sandy.

No timber; undergrowth, dense tamarisk.

Thence in sec. 2.

S. 64° 00' W., 17.20 chs. On this course the bank becomes a nearly vertical sandstone ledge, 30 to 50 ft. high; leave undergrowth.

S. 25° 00' W., 12.40 chs.

S. 14° 30' W., 1.80 chs.

S. 18° 30' W., 6.80 chs.

S. 31° 30' W., 26.90 chs. The meander cor. of secs. 2 and 11.

Land, rolling and broken.

Soil, rocky.

No timber.

General Description

Millard Canyon and Millard Canyon Benches constitute most of the area covered by this township, except for parts of the north and south boundaries, which are on the high, rolling mesa country. The lower lands are mainly rolling and broken canyon bottom, sandy and rocky. There is no timber except for scattering pinon and cedar on the mesas. Vegetation of any kind is very scarce. The Green River meanders southerly through the northeast part of these lands, and forms a boundary of this fractional township. The river is mostly in a canyon, with high sandstone ledges forming the sides. The river can be reached at the confluence of Millard Canyon with the river, approximately along the line between unsurveyed sections 10 and 11. The small amount of bottom land along the river has a few scattering cottonwoods, and a heavy growth of tamarisk along the bank. A rut road enters the township in sec. 35, winds along Millard Canyon Benches, and ends in Millard Canyon. There are no springs in the township.

There is considerable activity in the staking of location mining claims in Millard Canyon. The main interest is the Uranium bearing Shinarump formation. Practically all of these claims are undeveloped.

CERTIFICATE OF CADASTRAL ENGINEER

I, Paul K. Russell, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 19th day of April, 1954, I have surveyed the north, south, and east boundaries of section 16, of fractional Township 28 South, Range 17 East of the Salt Lake Meridian, in the State of Utah, which are represented in the foregoing field notes as having been executed by me and under my direction; and that said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

Denver, Colorado
January 26, 1955

Paul K. Russell

Cartographic Survey Aid

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., _____, 1955

The foregoing field notes of the survey of _____

executed by _____

having been critically examined and found correct, are hereby approved.

Chief, Division of Cadastral Engineering

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in _____, is a true copy of the original field notes.

Chief, Division of Cadastral Engineering

CERTIFICATE OF CADASTRAL ENGINEER

I, Lynn G. Edmonds, HEREBY CERTIFY upon honor that, pursuant to special instructions bearing date of the 19th day of April, 1955, I have surveyed the east boundary, fourth meridional line, and the north and west boundaries of section 36, of fractional Township 28 South, Range 17 East.

of the Salt Lake Meridian, in the State of Utah, which is represented in the foregoing field notes as having been executed by me and under my direction; and the said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

Denver, Colorado

January 26, 1955

Lynn G. Edmonds

Cartographic Survey Aid

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., 1955

The foregoing field notes of the survey of _____

executed by _____

having been critically examined and found correct, are hereby approved.

Chief, Division of Cadastral Engineering

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in _____, is a true copy of the original field notes.

Chief, Division of Cadastral Engineering

FIELD ASSISTANTS

16-58565-2

CERTIFICATE OF CADASTRAL ENGINEER

I, Stephen Schmidt, Jr., HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 19th day of April, 1955, I have surveyed the north boundary, boundaries of sections 1 and 2, north and west boundaries of section 32, and meanders of the right bank of the Green River through sections 1 and 2, of fractional Township 28 South, Range 17 East.

of the Salt Lake Meridian, in the State of Utah, which are represented in the foregoing field notes as having been executed by me and under my direction; and that said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

Denver, Colorado

January 26, 1955

Stephen Schmidt, Jr.
Cartographer (Cadastral)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., MAY 11 1955, 19

The foregoing field notes of the survey of the north and east boundaries, a portion of the subdivision, and meanders of the right bank of the Green River through sections 1 and 2, of fractional Township 28 South, Range 17 East.

executed by Stephen Schmidt, Jr., Cartographer (Cadastral), Lynn G. Edmonds and Paul K. Russell, Cartographic Survey Aids having been critically examined and found correct, are hereby approved.

Earl G. Harrington
Chief, Division of Cadastral Engineering
Cadastral Engineering Staff Officer

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in

_____, is a true copy of the original field notes.

Chief, Division of Cadastral Engineering

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

Of the Survey of the

South Boundary of

Township 27 South, Range 17 $\frac{1}{2}$ East,
the Meanders of the Left Bank of Green River in Sec. 2
And

the Survey of a

Portion of the Subdivisional Lines of

Township 28 South, Range 17 $\frac{1}{2}$ East

Of the Salt Lake Meridian,

In the State of Utah

EXECUTED BY

Chester A. Swiatek, Cartographer (Cadastral)

Under special instructions dated May 7, 19 54, which provided
for the surveys included under Group No. 397, approved May 24, 1954
and assignment instructions dated June 14, 19 54

Survey commenced September 21, 19 54

Survey completed September 22, 19 54

INDEX DIAGRAM

Township 28 South, Range 17 $\frac{1}{2}$ East

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19	20	21	22	23	24
29	28	26	27	26	25
31	32	33	34	35	36

24/2/8

T. 28 S., R. 17½ E.

Chains

The east boundary was concurrently surveyed by Chester A. Swiatek and its record appears in the field notes of T. 28 S., R. 18 E.

The following field notes are those of the survey of the south boundary of T. 27 S., R. 17½ E. and a portion of the subdivisional lines of T. 28 S., R. 17½ E.

The survey was executed with a Buff and Buff transit No. 18002. The transit is equipped with full vertical circle and improved Smith-type telescopic solar attachment, and conforms to the standard instrumental specifications of the Bureau of Land Management. The instrument was maintained in precise adjustment throughout the progress of this survey.

The directions of the lines of survey were determined generally by sustained angulation carried forward from the following hour angle observation on Polaris for meridian, supplemented by numerous altitude observations on the sun for azimuth taken throughout the work and further verified through use of the solar attachment which was at all times maintained in proper adjustment as ascertained by tests on the lines carried forward from the controlling Polaris meridian.

Corners on the east-west lines were set on true latitudinal curve. Lines connecting previously established corners were run by random and true method, but for simplification of the record the random lines are omitted from the field notes.

Measurements were made with narrow steel tapes, 8 chains in length, graduated every link for the first 100 links and the remainder at intervals of 10 links. The tapes were tested by comparison with a one-chain standard steel tape and found correct. All measurements were made on the slope and the vertical angle of each interval ascertained by a clinometer in good adjustment; the horizontal equivalents alone are entered in the field note record. The lengths of all lines were determined by chaining where possible; otherwise, by traverse or triangulation. The details of such traverses or triangulations have been thoroughly verified and in order to simplify the record, the diagrams and reductions are omitted from these field notes.

The geographic position of the northeast corner of this township is in latitude 38°24'08.87" N. and longitude 109°59'29.4" W., as determined by traverse from U. S. G. S. Triangulation Station "SHAFT", situated in sec. 12; T. 28 S., R. 18 E.

Refer to field notes of T. 28 S., R. 18 E., for hour angle observation on Polaris for meridian.

The magnetic declination was read at a number of stations throughout the township and the average of several readings was found to be 15°20' E.

"South Boundary of T. 27 S., R. 17½ E."

From the cor. of Ts. 27 and 28 S., Rs. 17½ and 18 E., which is monumented by an iron post, 1 in. diam., firmly set, marked and witnessed as described in the field notes of T. 28 S., R. 18 E.

West, along the S. bdy. of secs. 36.

Over broken rocky terrain, along N. rim of ravine, drains S. 80° W.

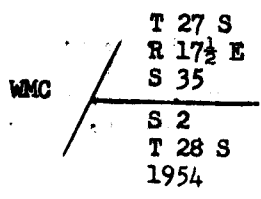
16.30 Desc. 100 ft. over rocky SW. slope into ravine.

22.40 Bottom of side ravine, drains S. for 1 ch. then S. 45° W.; asc. 90 ft.

Chains	
28.60	Top of steep ascent; continue along top of rocky bench on N. rim of ravine, which drains W.
32.90	Desc. 75 ft. over W. slope of broken sandstone benches.
40.00	Point for the ¼ sec. cor. of secs. 1 and 36. Set an iron post, 30 ins. long, 1 in. diam., 7 ins. in a drill hole in solid rock and in a mound of stone, 2½ ft. base to top, with brass cap mkd. <div><div>¼</div><div><div>S.36</div><div>S 1</div></div></div> Deposit a rock 1 x 5 x 16 ins. mkd. "X" alongside the iron post. The cor. is located on solid rock on edge of broken sandstone bench, which bears N. 60° W. and S. Desc. 190 ft. over broken SW. slope.
79.70	Bladed dirt road, bears N. and S.
80.00	Point for the cor. of secs. 1, 2, 35 and 36. Set an iron post, 30 ins. long, 1 in. diam., 8 ins. in a drill hole in solid rock and in a mound of stone, 4 ft. base to top, with brass cap mkd. <div><div>T 27 S R 17½ E</div><div><div>S 35 S 36</div><div>S 2 S 1</div><div>T 28 S</div><div>1954</div></div></div> Deposit a rock 3 x 10 x 15 ins. mkd. "X" alongside the iron post. The cor. is located on flat 30 lks. west of road, which bears N. and S. Land, broken and rolling. Soil, sandy and rocky loam. Timber, none; underbrush, black brush, mormon tea and cacti.
	West, along the S. bdy. of sec. 35.
	Desc. 85 ft. over gradual W. slope to the witness meander corner.
1.00	Enter White Rim.
17.70	Leave White Rim; continue over sandy bottom land.
19.70	Wash, 30 lks. wide, 2 ft. deep, drains N. 20° W.
28.50	Point for the witness meander corner of secs. 2 and 35. Set an iron post, 30 ins. long, 2½ ins. diam., 15 ins. in the ground, with brass cap mkd.

South Boundary, T. 27 S., R. 17½ E.

Chains



from which

A cottonwood, 36 ins. diam., bears S. 15½° E., 458 lks. dist., mkd. T28S R17½E S2 WMC BT.

- 29.00 Enter heavy brush.
- 35.36 Point for the meander cor. of secs. 2 and 35 on the left bank of Green River, course S. 25° W.
Land, broken and rolling.
Soil, sandy and rocky loam.
Timber, scattered cottonwood; underbrush, black brush, mormon tea and cacti.

"Portion of Subdivision of T. 28 S., R. 17½ E."

Beginning the subdivisional survey at the cor. of secs. 1, 2, 35 and 36, on the N. bdy. of the Tp., which is monumented by an iron post, 1 in. diam., firmly set, marked and witnessed as previously described.

S. 0° 01' E., bet. secs. 1 and 2.

Asc. 85 ft. over low rolling land to the ¼ sec. cor.

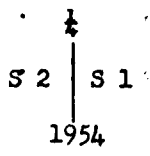
- 6.70 Bladed dirt road, bears N. 25° E. and S. 30° W.

- 10.80 Wide shallow side wash, drains W.

- 39.00 Base of rocky side spur, slopes NW.

- 40.00 Point for the ¼ sec. cor. of secs. 1 and 2.

Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground and in a mound of stone, 2½ ft. base to top, with brass cap mkd.



Deposit a rock 2 x 8 x 9 ins. mkd. "X" alongside the iron post.

The cor. is located on gradual N. slope.

Asc. 210 ft. over rocky NW. slope.

- 48.00 Top of spur, slopes W.; desc. 40 ft. over broken S. slope.

- 55.40 Desc. 105 ft. sharply over rocky SW. slope.

- 63.00 Bottom of steep descent; continue desc. of 45 ft. over rolling slope.

- 76.30 Sandy side wash, 30 lks. wide, 1½ ft. deep, drains S. 25° W.

Portion of Subdivision, T. 28 S., R. 17½ E.

Chains

80.00

Point for the cor. of secs. 1, 2, 11 and 12.

Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground and in a mound of stone, 3 ft. base to top, with brass cap mkd.

T 28 S	R 17½ E
S 2	S 1
S 11	S 12
1954	

Deposit a rock 1 x 8 x 12 ins. mkd. "X" alongside the iron post.

The cor. is located on gradual SE. slope.

Land, broken and rolling.

Soil, sandy and rocky loam.

Timber, none; underbrush, black brush, mormon tea and cacti.

West, bet. secs. 2 and 11.

Over rolling land.

1.00

Sandy wash, drains S.; asc. 70 ft. over SE. slope.

22.00

Top of spur, slopes S. 30° W.; desc. 110 ft.

40.00

Point for the ¼ sec. cor. of secs. 2 and 11.

Set an iron post, 30 ins. long, 2½ ins. diam., 3 ins. in the ground and in a mound of stone, 2½ ft. base to top, with brass cap mkd.

¼	S 2
	S 11
	1954

Deposit a rock 1 x 8 x 13 ins. mkd. "X" alongside the iron post.

The cor. is located on gradual S. slope 3 chs. N. of road.

Descend 20 ft.

47.60

Bladed dirt road, bears N. 60° W. and S. 60° E.; desc. 25 ft.

50.10

Bladed dirt road, bears N. 10° W. and S. 20° W.; desc. 85 ft. to cor.

53.10

Enter White Rim.

80.00

Point for the cor. of secs. 2, 3, 10 and 11.

Set an iron post, 30 ins. long, 1 in. diam., 10 ins. in a drill hole in solid rock and in a mound of stone, 2 ft. base to top, with brass cap mkd.

T 28 S	R 17½ E
S 3	S 2
S 10	S 11
1954	

Deposit a rock 2 x 7 x 13 ins. mkd. "X" alongside the iron post.

Portion of Subdivision of T. 28 S., R. 17½ E.

Chains

The cor. is located 5 chs. N. of edge of White Rim.
Land, broken and rolling.
Soil, sandy and rocky loam.
Timber, none; underbrush, black brush, mormon tea and cacti.

N. 0° 01' W., bet. secs. 2 and 3.

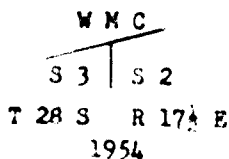
Asc. 50 ft. over broken S. slope of White Rim.

9.60 Top of ascent; desc. 85 ft. to the witness meander cor.

14.70 Enter White Rim.

25.32 Point for the witness meander cor. of secs. 2 and 3.

Set an iron post, 30 ins. long, 1 in. diam., 8 ins. in a drill hole in solid rock and in a mound of stone, 2 ft. base to top, with brass cap mkd.



The cor. is 20 lks. S. of edge of White Rim and 70 ft. above river.

25.60 Point for the meander cor. of secs. 2 and 3, on the left bank of Green River, course S. 70° W.

Land, broken and rolling.
Soil, sandy and rocky.
Timber, none; underbrush, black brush, mormon tea and cacti.

"Meanders of the Green River"

From the meander cor. of secs. 2 and 3, on the left bank of the Green River.

Thence upstream with the meander of left bank of river, in sec. 2. Along White Rim bluff, 70 ft. high.

N. 73°15' E., 4.00 chs.

N. 79°15' E., 12.00 chs.

N. 54°30' E., 12.10 chs.

N. 23°30' E., 48.01 chs. The meander cor. of secs. 2 and 35.

Land, rolling, with White Rim.
Soil, sandy and rocky clay loam.
Timber, none; underbrush, black brush, mormon tea and cacti.

General Description

The area of this fractional township lying east of the left bank of the Green River consists principally of broken benchland, covered with scattered undergrowth of black brush, mormon tea and cacti.

There is no timber within this fractional township, except a few scattered cottonwood growing along river bank. There is a dense growth of willows and tamarisk growing along river bank. There is a road that has been bladed over benchland along top of White Rim. There is no water, other than that found in the Green River and no one living within this fractional township.

00.1 12 2

00.2 12

00.3 102

00.4 102

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

[illegible]

CERTIFICATE OF CADASTRAL ENGINEER

351

I, Chester A. Swiatek, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 7th day of May, 1954, I have surveyed the south boundary of T. 27 S., R. 171/2 E., and a portion of the subdivisional lines of T. 28 S., R. 171/2 E., and the meanders of the left bank of Green River in sec. 2.

of the Salt Lake Meridian, in the State of Utah, which is represented in the foregoing field notes as having been executed by me and under my direction; and the said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

Moab, Utah
September 29, 1954

Chester A. Swiatek
Chester A. Swiatek
Cartographer (Cadastral)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., JUN 20 1955, 1955

The foregoing field notes of the survey of the south boundary of T. 27 S., R. 171/2 E., and a portion of the subdivisional lines of T. 28 S., R. 171/2 E., and the meanders of the left bank of Green River in sec. 2.

executed by Chester A. Swiatek, Cartographer (Cadastral)

having been critically examined and found correct, are hereby approved.

James B. Clement
Chief, Division of Cadastral Engineering
Acting Cadastral Engineering Staff Officer

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in _____, is a true copy of the original field notes.

Chief, Division of Cadastral Engineering

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

Of the Survey of the South Boundary of

Township 27 South, Range 18 East

And

The Survey of Portions of the South and West Boundaries,

And

Portion of Subdivisional Lines of

Township 28 South, Range 18 East

Of the Salt Lake Meridian,

In the State of Utah

EXECUTED BY

Chester A. Swiatek, Cartographer (Cadastral) and

Leland P. Lewis, Cartographic Survey Aid.

Under special instructions dated May 7, 1954, which provided
for the surveys included under Group No. 397, approved May 24, 1954
and assignment instructions dated June 14, 1954

Survey commenced August 31, 1954

Survey completed September 16, 1954

INDEX DIAGRAM

Township 28 South, Range 18 East

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		20			
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					13
31	32	33	14 34	35	12 36
			3	3	2

16-56770-1

Lines run by Chester A. Swiatek

Lines run by Leland P. Lewis

T. 28 S., R. 18 E.

The record of the survey of the east boundary is contained in the field notes of T. 28 S., R. 19 E., Salt Lake Meridian, Utah.

The following notes are those of the survey of the south boundary of T. 27 S., R. 18 E., and the survey of portions of the south and west boundaries and portion of subdivisional lines of T. 28 S., R. 18 E., deemed sufficient in extent to facilitate development of the natural resources and mark the boundaries of those sections that are normally considered State school sections, except fractional sections 32 which was inaccessible at the time of this survey.

The survey was executed with a Buff and Buff transit No. 23442 and Buff and Buff transit No. 18002. Both transits are equipped with full vertical circles and improves Smith-type telescopic solar attachments, and conform to the standard instrumental specifications of the Bureau of Land Management. The instruments were maintained in precise adjustment throughout the progress of this survey.

The directions of the lines survey were determined generally by sustained angulation carried forward from the following hour angle observation on Polaris for meridian, supplemented by numerous altitude observations on the sun for azimuth taken throughout the work and further verified through use of the solar attachments which were at all times maintained in proper adjustment as ascertained by tests on the lines carried forward from the controlling Polaris meridian.

Corners on the east-west lines were set on the true latitudinal curve. Lines connecting previously established corners were run by random and true method but for simplification of the record the random lines are omitted from the field notes. In accordance with the intent of the special instructions all subdivisional corners established are calculated to be at the position they would occupy if the entire township were subdivided.

Measurements were made with narrow steel tapes, 8 chains in length, graduated every link for the first 100 links and the remainder at intervals of 10 links. The tapes were tested by comparison with a one-chain standard steel tape and found correct. All measurements were made on the slope and the vertical angle of each interval ascertained by a clinometer in good adjustment; the horizontal equivalents alone are entered in the field note record. The lengths of all lines were determined by chaining where possible; otherwise, by traverse or triangulation. The details of such traverses or triangulations have been thoroughly verified and in order to simplify the record the diagrams and reductions are omitted from these field notes.

The geographic position for the southeast corner of this township is in latitude $38^{\circ} 18' 55.77''$ N. and longitude $109^{\circ} 52' 51.45''$ W., as determined by traverse from U. S. G. S. Triangulation Station "SHAFT", situated in sec. 12, T. 28 S., R. 18 E.

August 31, 1954, at the cor. of secs. 1, 6, 31 and 36, Ts. 28 S., Rs. 18 and 19 E., and Ts. 29 S., Rs. 18½ and 19 E., in latitude $38^{\circ} 18' 51''$ N., and longitude $109^{\circ} 52' 48''$ W., at 5h 41m 29s a.m., l.m.t., we make an hour angle observation on Polaris, west of the meridian, making three observations each with the telescope in direct and reversed positions, reading the horizontal angle from a flag about 50 chains north.

Mean horizontal angle, flag to Polaris $0^{\circ} 43' 30''$
Azimuth of Polaris, west of meridian $0^{\circ} 43' 30''$
True bearing to flag North.

The magnetic declination was read at a number of stations throughout the township and the average of the several readings was found to be $15^{\circ} 26'$ E.

Portion of South Boundary, T. 28 S., R. 18 E.

Chains

From the cor. of Ts. 28 S., Rs. 18 and 19 E. and Ts. 29 S., Rs. 18 and 19 E., which is monumented with an iron post, 2½ ins. diam., firmly set, marked and witnessed as described in the field notes of T. 28 S., R. 19 E.

West, along the S. bdy. of sec. 36.

Asc. 10 ft. over rocky SE. slope.

1.60 Top of low side spur, slopes W. from N. 70° E.; desc. 110 ft. along broken rocky top of spur.

23.00 Base of spur; desc. 105 ft.

26.50 Wide rocky side wash, drains S. 30° W.; asc. 15 ft. over rolling terrain.

40.00 Point for the ¼ sec. cor. of secs. 1 and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground and in a mound of stone, 2½ ft. base to top, with brass cap mkd.

S 36
¼
S 1
1954

Bury a rock, 1 x 5 x 8 ins. mkd. "X" alongside the iron post.

Desc. 60 ft. over broken rocky SW. slope.

49.00 Cross above mention wash, 60 lks. wide, 1½ ft. deep, drains N. 60° W.; asc. 20 ft.

53.30 Bladed dirt road, in curve, winding W. and S. 70° E. for 1 ch. then S.; desc. 20 ft.

56.30 Same wash, drains S. 70° W.; desc. 15 ft.

59.40 Same road, bears N. 55° W. and S. 60° E.; desc. 25 ft.

62.70 Same wash, drains N. 40° W.; asc. 15 ft.

64.20 Top of ascent; desc. 15 ft.

66.00 E. edge of draw.

70.00 Draw, 350 ft. deep, drains S.

73.60 W. edge of draw; asc. 65 ft. over broken sandstone ledges.

80.00 Point for the cor. of secs. 1, 2, 35 and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 18 ins. in the ground and in a mound of stone, 3 ft. base to top, with brass cap mkd.

T 28 S R 18 E
S 35 | S 36
S 2 | S 1
T 29 S
1954

Bury a stone; 4 x 4 x 6 ins. mkd. "X" alongside the iron post.

Land; broken and rolling.

Soil, sandy and rocky loam.

Timber, none; underbrush, scattered black brush, mormon tea and cacti.

Portion of South Boundary, T. 28 S., R. 18 E.

Chains	West, along the S. bdy. of sec. 35.
	Asc: 55 ft. over steep rocky E. slope.
2.80	Red sandstone ledge, 8 ft. high, bears N. and S.; asc. 85 ft.
3.90	Top of steep ascent; asc. 15 ft.
8.20	Top of ascent; desc. 120 ft. over steep rocky SW. slope into head of side ravine; desc. 105 ft.
14.00	Wash in bottom of ravine, drains S. 40° W. for 1 ch. then SE; asc. 110 ft.
19.50	E. rim of mesa, bears N. and S.; asc. 30 ft.
26.40	Top of ascent; desc. 115 ft.
36.90	Wash in bottom of ravine, drains S. 10° E.; desc. 65 ft.
38.50	Side wash in bottom of ravine, drains S. 40° E., joins main wash 2½ chs. to S.; asc. 40 ft. over rocky NE. slope.
40.00	Point for the ¼ sec. cor. of secs. 2 and 35.
	Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground and in a mound of stone, 3½ ft. base to top, with brass cap mkd.
	$\begin{array}{r} \text{S } 35 \\ \frac{1}{4} \text{ ---} \\ \text{S } 2 \\ 1954 \end{array}$
	Bury a rock, 2 x 8 x 9 ins. mkd. "X" alongside the iron post.
	Asc. 75 ft. over rocky NE. slope.
46.30	Top of steep ascent; asc. over rolling N. slope.
55.70	Low side spur, slopes N.; desc. 40 ft. over broken SW. slope.
76.00	Small wash, drains S. 40° E.; asc. 10 ft. over gradual NE. slope.
80.00	Point for the cor. of secs. 2, 3, 34 and 35.
	Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground and in a mound of stone, 2½ ft. base to top, with brass cap mkd.
	$\begin{array}{r} \text{T } 28 \text{ S } \text{ R } 18 \text{ E} \\ \text{S } 34 \text{ } \text{S } 35 \\ \text{S } 3 \text{ } \text{S } 2 \\ \text{T } 29 \text{ S} \\ 1954 \end{array}$
	Bury a stone, 2 x 4 x 8 ins. mkd. "X" alongside the iron post.
	Land, rolling and broken.
	Soil, sandy and rocky loam.
	Timber, none; underbrush, scattered black brush, mormon tea and cacti.
	West, along the S. bdy. of sec. 34.
	Over rolling S. slope.

Portion of South Boundary, T. 28 S., R. 18 E.

Chains

- 11.20 Small side wash, 5 lks. wide, 1 ft. deep, drains S, 30° E.; asc. 20 ft. over broken slope.
- 25.90 Side wash, 10 lks. wide, 1½ ft. deep, drains S. 30° E.; asc. 300 ft. over steep rocky SE. slope of flat grey broken sandstone plateau.
- 39.60 Top of broken sandstone, rim, bears N. 50° E. and S. 50° W.
- 40.00 Point for the ¼ sec. cor. of secs. 3 and 34.
- Set an iron post, 30 ins. long, 1 in. diam., 10 ins. in a drill hole in solid rock and in a small mound of stone, with brass cap mkl.

$$\frac{1}{4} \begin{array}{c} S 34 \\ \hline S 3 \end{array}$$

1954

from which

A juniper, 20 ins. diam., bears N. 28° 45' E., 22 lks. dist., mkl. ¼ S34 BT.

A juniper, 12 ins. diam., bears S. 71° W., 118 lks. dist., mkl. BT.

Cor. is located on grey sandstone, 40 lks. W. of rim of plateau.

Over broken rocky top of plateau, through scattered timber.

- 57.00 W. rim of plateau, bears N. and S. 50° E.; desc. 205 ft. over abrupt rocky W. slope; leave timber.
- 65.00 W. rim of rocky bench; desc. 50 ft. over ledge and then 100 ft. over steep rocky SW. slope.
- 70.40 Small ravine, drains S.; asc. 15 ft.
- 74.50 Top of ascent; desc. 130 ft. over steep rocky SW. slope.
- 78.00 Bottom of steep descent; descend over gradual W. slope.
- 80.00 Point for the cor. of secs. 3, 4, 33 and 34.

Set an iron post, 30 ins. long, 2½ ins. diam., 3 ins. in the ground to solid rock and in a mound of stone, 3½ ft. base to top, with brass cap mkl.

T 28 S R 18 E

$$\begin{array}{c|c} S 33 & S 34 \\ \hline S 4 & S 3 \end{array}$$

1954

Deposit a rock, 2 x 4 x 14 ins. mkl. "I" alongside the iron post.

Land, broken and rolling.

Soil, sandy and rocky.

Timber, scattered juniper and pinon on top of plateau; underbrush, scattered black brush, mormon tea and cacti.

West, along the S. bdy. of sec. 33.

Desc. 60 ft. over gradual W. slope.

Portion of South Boundary, T. 28 S., R. 18 E.

Chains

12.40

(Unable to continue chaining) Set an iron post, 30 ins. long, 1 in. diam., 8 ins. in a drill hole in solid sandstone and in a mound of stone, 2 ft. base to top, for witness point on line bet. secs. 4 and 33, with brass cap mkd.

W P S 33
 S 4
 1954

Deposit a rock mkd. "X" alongside the iron post.

The witness point is located 10 lks. E. of edge of White Rim.

South Boundary, T. 27 S., R. 18 E.

From the cor. of Ts. 27 and 28 S., Rs. 18 and 19 E., which is monumented by an iron post, 2½ ins. diam., firmly set, marked and witnessed as described in the field notes of T. 28 S., R. 19 E.

West, along the S. bdy. of sec. 36.

Desc. 25 ft. over rolling broken top of plateau, through timber.

21.60 Top of low rocky spur, slopes N.; desc. 50 ft. over broken, sandy NW. slope, through medium dense timber.

28.00 Small wash, 10 lks. wide, 1 ft. deep, drains S.; gradually ascend E. slope.

39.30 Top of ascent.

40.00 Point for the ¼ sec. cor. of secs. 1 and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground and in a mound of stone, 1½ ft. base to top, with brass cap mkd.

¼ S 36
 S 1
 1954

from which

A juniper, 16 ins. diam., bears N. 70° W., 47 lks. dist., mkd. ¼ S36 BT.

A juniper 10 ins. diam., bears S. 52° E., 24 lks. dist., mkd. ¼ S1 BT.

Desc. 100 ft. over W. slope, through medium dense timber.

57.30 Head of small wash, 8 lks. wide, 1½ ft. deep, drains N. 30° W.; desc. 15 ft.

60.00 Wash, 25 lks. wide, 2 ft. deep, drains N. 10° W., turning to W.

60.40 Graded dirt road, bears S. 40° E. and N. 60° W.; asc. 15 ft. to cor.

73.70 Wash, 25 lks. wide, 2 ft. deep, drains N. 10° W., turning to W.

80.00 Point for the cor. of secs. 1, 2, 35 and 36.

Set an iron post, 30 ins. long, 1 in. diam., 8 ins. in a drill hole in solid rock and in a mound of stone 1½ ft. base to top, with brass cap mkd.

Chains

T 27 S R 18 E

S 35 S 36

S 2 S 1

T 28 S R 18 E

1954

from which

A juniper, 8 ins. diam., bears N. $36\frac{1}{4}^{\circ}$ E., 102 lks. dist., mkd. S36 BT.

A juniper, 12 ins. diam., bears S. $32\frac{1}{4}^{\circ}$ E., 80 lks. dist., mkd. BT.

A juniper, 14 ins. diam., bears S. 50° W., 124 lks. dist., mkd. S2 BT.

A pinon, 12 ins. diam., bears N. $48\frac{1}{2}^{\circ}$ W., 150 lks. dist., mkd. S35 BT.

Land, broken and rolling.

Soil, sandy and rocky loam.

Timber, juniper and pinon; underbrush, shad scale and grass.

West, along the S. bdy. of sec. 35.

Asc. 45 ft. over rocky broken NE. slope, through medium timber.

10.00 Top of low spur, slopes N.; desc. 25 ft.

13.00 Wash, 10 lks. wide, 1 ft. deep, drains N. 10° E.; asc. 75 ft.

31.30 Top of spur, slopes N. 10° E.; desc. 30 ft. over SW. slope, through scattered timber.

39.80 Top of sandstone ledge, 70 ft. high; desc. 90 ft. to cor.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 35.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., over an "X" marked in solid rock and in a mound of stone, $3\frac{1}{2}$ ft. base to top, with brass cap mkd.

$\frac{1}{4}$ S 35
S 2
1954

from which

A juniper, 8 ins. diam., bears N. $20\frac{1}{2}^{\circ}$ W., 118 lks. dist., mkd. BT.

A juniper, 8 ins. diam., bears S. $52\frac{1}{2}^{\circ}$ E., 42 lks. dist., mkd. $\frac{1}{4}$ S2 BT.

Descend 65 ft. over broken NW. slope, through medium dense timber.

53.70 E. rim of deep rocky draw, bears N. and S. Trail leading into canyon at head of draw.

(By triangulation) Descend approximately 280 ft.

60.00 (Approximate) Bottom of draw, bears NW, present approximately 320 ft.

South Boundary, T. 27 S., R. 18 W.

Chains	
71.17	(End of triangulation) Top of ascent.
71.49	Point for the witness cor. of secs. 2, 3, 34 and 35. Set an iron post, 30 ins. long, 1 in. diam., 10 ins. in a drill hole in solid sandstone and in a large mound of stone, with brass cap mkd.. <div><div>T 27 S R 18 E</div><div>W ← S 34 S 35</div><div>C S 3 S 2</div><div>T 28 S</div><div>1954</div></div>
	from which U. S. G. S. Triangulation Station "UPHEAVAL", bears N. 26° 04' W. U. S. G. S. Triangulation Station "SHAFT", bears S. 39° 15' E.
71.62	Edge of rim. (By triangulation) Descend approximately 1200 ft. over face of sandstone mesa, edge bears N. and S. 45° E.
80.00	True point for the cor. of secs. 2, 3, 34 and 35. Land, broken and rolling, with deep gorge and vertical mesa walls. Soil, sandy and rocky. Timber, scattered juniper and pinon; underbrush, shad scale; black brush, mormon tea and cacti.
	Counting from true point for cor. of secs. 2, 3, 34, and 35. West, along the S. bdy. of sec. 34. Descending by triangulation.
15.75	Base of sandstone mesa.
18.53	(End of triangulation) Descend 95 ft. over broken sandstone spur to cor.
23.50	Side wash, 5 lks. wide, 1 ft. deep, drains S. 30° W.
39.10	Wash, 20 lks. wide, 2 ft. deep, drains S.
40.00	Point for the $\frac{1}{4}$ sec. cor of secs. 3 and 34. Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 18 ins. in the ground, and in a mound of stone, 3 ft. base top, with brass cap mkd. <div><div>S 34</div><div>$\frac{1}{4}$ S 3</div><div>1954</div></div>
	Deposit a rock 1 x 5 x 9 ins. mkd. "X" alongside the iron post. Ascend 65 ft. over broken sandstone spur.
47.60	Side spur, slopes S.; desc. 135 ft. over broken W. slope.
65.30	Deep wash, 40 lks. wide, drains S. 50° W.; asc. 60 ft. over rocky SE. slope.

Chains

69.79 Side spur, slopes S. 40° W.; desc. 35 ft. over broken rolling terrain.

80.00 Point for the cor. of secs. 3, 4, 33 and 34.

Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground and in a mound of stone, 2 ft. base to top, with brass cap mkd.

T 27 S R 18 E
S 33 S 34
S 4 S 3
T 28 S
1954

Deposit a rock 3 x 4 x 10 ins. mkd. "X" alongside the iron post.

Land, broken and rolling.

Soil, sandy and rocky.

Timber, none; underbrush, shad scale, scattered black brush, mormon tea and cacti.

West, along the S. bdy. of sec. 33.

Asc. 30 ft. over broken SE. slope.

7.40 Small side spur, slopes S.; desc. 105 ft. over broken SW. slope.

26.00 Bottom of small side ravine, drains S.; asc. 65 ft.

32.00 Top ascent; desc. 40 ft.

35.40 Bottom of small side ravine, drains S.; asc. 40 ft.

40.00 Point for the ¼ sec. cor. of secs. 4 and 33.

Set an iron post, 30 ins. long, 2½ ins. diam., 15 ins. in the ground and in a mound of stone, 3 ft. base to top, with brass cap mkd.

¼ S 33
S 4
1954

Deposit a rock 1 x 7 x 12 ins. mkd. "X" alongside the iron post.

The cor. is located at base of broken sandstone ledge, 5 ft. high, bears N. and S.

Asc. 105 ft. over broken terrain and side spur.

64.10 Side spur, slopes S. 55° W.; desc. 130 ft. over broken rocky slope.

78.00 Broken sandstone ledge, bears N. 60° E. and S. 50° W., 20 ft. high; desc. 75 ft. into head of ravine over broken sandstone boulders.

80.00 Point for the cor. of secs. 4, 5, 32 and 33.

Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground and in a mound of stone, 3 ft. base to top, with brass cap mkd.

South Boundary, T. 27 S., R. 18 E.

Chains

T 27 S R 18 E
 S 32 | S 33
 S 5 | S 4
 T 28 S
 1954

Deposit a rock 1 x 10 x 12 ins. mkd. "X" alongside the iron post.

Land, broken and rolling.

Soil, sandy and rocky.

Timber, none; underbrush, shad scale, black brush, mormon tea and cacti.

West, along the S. bdy. of sec. 32.

Over broken, rolling terrain.

1.20 Wash, drains S. 35° W.

3.30 Cross same wash, drains N. 45° W.; asc. 25 ft. over NE. slope.

7.20 Top of ascent; desc. 20 ft. over series of side spurs, sloping N.

28.80 Desc. 65 ft. along N. edge of rocky spur, sloping N. 70° W.

39.00 Broken sandstone rim; desc. 35 ft. over rocky NW. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 5 and 32.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 10 ins. in the ground and in a mound of stone, 2 ft. base to top, with brass cap mkd.

$\frac{1}{4}$ S 32
 S 5
 1954

Deposit a rock 3 x 6 x 10 ins. mkd. "X" alongside the iron post.

Desc. 95 ft. along NW. slope of spur.

53.90 Wash, 40 lks. wide, 2 ft. deep, drains S.; asc. 40 ft.

58.90 Top of ascent; desc. 10 ft.

61.40 Side wash, 15 lks. wide, 1 ft. deep, drains S. 60° E.; desc. 30 ft.

65.60 Bottom of descent; asc. 160 ft. over rocky NE. slope.

78.50 Side spur, slopes S. for $2\frac{1}{2}$ chs. then SW.; desc. 15 ft.

80.00 Point for the cor. of secs. 5, 6, 31 and 32.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 3 ins. in the ground to solid rock and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T 27 S R 18 E
 S 31 | S 32
 S 6 | S 5
 T 28 S
 1954

Chains

Deposit a rock 3 x 8 x 10 ins. mkd. "X" alongside the iron post.

Land, broken and rolling.

Soil, sandy and rocky.

Tiher, none; underbrush, scattered shad scale, mormon tea, black brush and cacti.

West, along the S. bdy. of sec. 31.

Desc. 25 ft. over broken rocky terrain.

4.00 E. rim of head of rocky side ravine; desc. 60 ft.

11.10 Bottom of ravine, drains S. 20° W.; asc. 70 ft.

12.50 E. rim of ravine; asc. 90 ft.

30.00 Top of broken sandstone bench, bears NE. and SW.

40.00 Point for the 1/4 sec. cor. of secs. 6 and 31.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 5 ins. in the ground to solid rock and in a mound of stone, 3 ft. base to top, with brass cap mkd.

1/4 S 31
S 6
1954

Deposit a rock 3 x 7 x 14 ins. mkd. "X" alongside the iron post.

The cor. is located on sandstone bench at base of grey ledge.

Asc. 5 ft. over broken rocky bench, along base of grey ledge.

45.90 Base of S. point of grey ledge; asc. 240 ft. over steep rocky E. slope.

52.30 E. rim of grey ledge, bears N. and S.

63.60 E. rim of grey ledge, bears N. and S.; desc. 335 ft. over steep rocky W. slope.

67.70 Bottom of steep descent at bottom of side ravine; desc. 105 ft. along bottom of wash in ravine, draining W.

68.30 Leave wash, drains S. 40° W.; asc. 35 ft. along SE. slope of ravine.

69.80 Top of ascent; desc. 65 ft. over broken slope.

80.00 Point for the cor. of Ts. 27 and 28 S., Rs. 17 1/2 and 18 E.

Set an iron post, 30 ins. long, 1 in. diam., 10 ins. in a drill hole in solid rock and in a mound of stone, 3 1/2 ft. base to top, with brass cap mkd.

T 27 S
R 17 1/2 E R 18 E
S 36 S 31
S 1 S 6
T 28 S
1954

from which

A rock ledge, bears N. 25° 47' E., 9 lks. dist., mkd. EXO

South Boundary, T. 27 S., R. 18 E.

Chains

The cor. is located on top of N. rim of side ravine, drains W.
Land, broken and rolling, with ledge.
Soil, sandy and rocky.
Timber, none; underbrush, scattered black brush, mormon tea and cacti.

"Portion of West Boundary, T. 28 S., R. 18 E."

From the cor. of Ts. 27 and 28 S., Rs. 17 $\frac{1}{2}$ and 18 E.

South, bet. secs. 1 and 6.

Desc. 65 ft. into ravine.

- 1.20 Bottom of ravine, drains W.; asc. 100 ft. over steep rocky NW. slope.
- 4.00 Top of steep ascent; asc. 90 ft. over series of rocky side spurs, sloping NW.
- 28.00 Top of main spur, from grey ledge, slopes S. 60° W.; desc. 125 ft. over broken SW. slope.
- 37.00 Head of side ravine, drains S. 30° W.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 6.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 15 ins. in the ground and in a mound of stone, 3 ft. base to top, with brass cap mkd.

$\frac{1}{4}$
 S 1 | S 6
 1954

Deposit a stone, 2 x 6 x 8 ins. mkd. "X" alongside the iron post.

Asc. 5 ft. over gradual NW. slope.

- 42.60 W. point of small spur, slopes W.; desc. 90 ft.
- 73.30 Side wash, 20 lks. wide, 1 ft. deep, drains S. 40° E.
- 75.00 Graded dirt road, bears N. 40° E. and S. 40° W.
- 77.30 Enter exposed white sandstone.
- 80.00 Point for the cor. of secs. 1, 6, 7 and 12.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., over an "X" mkd. in solid rock and in a large mound of stone to top, with brass cap mkd.

T 28 S
 R 17 $\frac{1}{2}$ E | R 18 E
 S 1 | S 6
 S 12 | S 7
 1954

Deposit a stone 2 x 6 x 10 ins. mkd. "X" alongside the iron post.

Land, broken and rolling.
Soil, sandy and rocky.
Timber, none; underbrush, scattered black brush, mormon tea and cacti.

Portion of West Boundary, T. 28 S., R. 18 E.

Chains

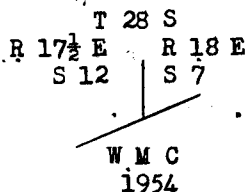
South, bet. secs. 7 and 12.

Desc. 55 ft. over rolling white rim.

28.10

Point selected for the witness meander cor. of secs. 7 and 12.

Set an iron post, 30 ins. long, 1 in. diam., 10 ins. in a drill hole in solid rock and in a mound of stone, $1\frac{1}{2}$ ft. base to top, with brass cap mkd.



Deposit a stone, 3 x 6 x 8 ins. mkd. "X" alongside the iron post.

Descend approximately 200 ft. to left bank of Green River.

32.87

Point for the meander cor. of secs. 7 and 12 on the left bank of Green River, course NE. Point not monumented.

Land, broken and rolling.

Soil, sandy and rocky.

Timber, none; underbrush, scattered black brush, mormon tea and cacti.

"Portion of Subdivision of T. 28 S., R. 18 E."

Beginning the subdivisional survey at the cor. of secs. 1, 2, 35 and 36, on the S. bdy. of the Tp., which is monumented by an iron post, $2\frac{1}{2}$ ins. diam., firmly set, marked and witnessed as previously described.

N. 0° $01'$ W., bet. secs. 35 and 36.

Desc. 30 ft. over bottom of ravine.

7.30

Wash in bottom of ravine, 50 lks. wide, 5 ft. deep, drains S. 45° E. asc. 130 ft. over steep rocky SW. slope.

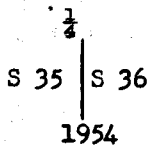
17.60

N. rim of ravine, bears N. 45° W. and S. 45° E., head of ravine is $1\frac{1}{2}$ chs. to NW.; asc. 50 ft. over rolling terrain.

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 35 and 36.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 15 ins. in the ground and in a mound of stone, $2\frac{1}{2}$ ft. base to top, with brass cap mkd.



Deposit a rock 5 x 7 x 12 ins. mkd. "X" alongside the iron post.

Asc. 25 ft. over SE. slope to road.

41.80

Broken sandstone rim, 4 ft. high, bears N. 50° W. and S. 50° E.

43.60

Graded dirt road, bears N. 50° W. and S. 45° E.; desc. 40 ft.

56.30

Wash in bottom of small side ravine, 20 lks. wide, $1\frac{1}{2}$ ft. deep,

Portion of Subdivision of T. 28 S., R. 18 E.

- Chains
 64.20 drains S. 40° E.; asc. 55 ft. over broken sandstone ledges.
 72.00 Low side spur, slopes S. 70° E.; thence over rolling E. slope of bench.
 76.00 Asc. 85 ft. over steep rocky SE. slope of E. edge of grey ledge.
 80.00 Top of ascent; desc. 60 ft. over rocky NE. slope.
 80.00 Point for the cor. of secs. 25, 26, 35 and 36.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground and in a mound of stone, $3\frac{1}{2}$ ft. base to top, with brass cap mkd.

T 28 S R 18 E
 S 26 | S 25
 S 35 | S 36
 1954

Deposit a rock 3 x 12 x 15 ins. mkd. "X" alongside the iron post.

The cor. is located on steep rocky NE. slope 10 lks. S. of sandstone bench 5 ft. high, bears E. and W.

Land, broken and rolling.

Soil, sandy and rocky.

Timber, none; underbrush, scattered black brush, mormon tea and cacti.

From the cor. of secs. 25, 30, 31 and 36, on the E. bdy. of the Tp., monumented by an iron post, $2\frac{1}{2}$ ins. diam., set, marked and witnessed as described in the field notes of T. 28 S., R. 19 E.

West, bet. secs. 25 and 36.

Desc. 50 ft. over broken W. slope.

- 4.50 Deep wash, 50 lks. wide, $4\frac{1}{2}$ ft. deep, drains S. 50° W.; thence over broken rocky terrain.
 14.50 Wash, 30 lks. wide. 5 ft. deep, drains S. 20° W.; asc. 50 ft.
 19.20 Top of ascent; desc. 75 ft.
 37.90 Side wash, 25 lks. wide, 2 ft. deep, drains S. 35° W.; asc. 20 ft.
 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 25 and 36.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 15 ins. in the ground and in a mound of stone, 3 ft. base to top, with brass cap mkd.

$\frac{1}{4}$ S 25
 S 36
 1954

Deposit a rock 4 x 6 x 15 ins. mkd. "X" alongside the iron post.

The cor. is located on gradual SE. slope between two small side washes.

Desc. 20 ft. over rolling terrain.

- 43.40 Side wash, 20 lks. wide, 2 ft. deep, drains S. 10° E.; asc. 40 ft.
 57.20 Top of ascent; thence over rolling land.

Portion of Subdivision of T. 28 S., R. 18 E.

Chains

59.30

Side wash, 10 lks. wide, $1\frac{1}{2}$ ft. deep, drains S. 15° E.; asc. 105 ft. over series of broken sandstone benches.

80.00

The cor. of secs. 25, 26, 35 and 36.

Land, broken and rolling.

Soil, sandy and rocky.

Timber, none; underbrush, scattered black brush, mormon tea and cacti.

From the cor. of secs. 3, 4, 33 and 34, on the S. bdy. of the Tp., monumented by an iron post, $2\frac{1}{2}$ ins. diam., firmly set, marked and witnessed as previously described.

N. 0° 02' W., bet. secs. 33 and 34.

Over rolling W. slope.

5.60

Side wash, 10 lks. wide, 1 ft. deep, drains S. 65° W.; asc. 240 ft. over broken sandstone ledges.

12.90

S. rim of flat spur, slopes W.

13.30

N. rim of spur; desc. 30 ft. over sandstone ledges; and continue descent of 150 ft.

19.60

Bottom of steep descent; desc. 115 ft. over broken NW. slope.

30.70

Side wash, in bottom of ravine, at head of ravine, 10 lks. wide, $1\frac{1}{2}$ ft. deep, drains N. 30° W.; asc. 145 ft. over SW. slope.

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 33 and 34.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground and in a mound of stone, $1\frac{1}{2}$ ft. base to top, with brass cap mkd.

 $\frac{1}{4}$

S 33 | S 34

1954

Deposit a rock 3 x 6 x 10 ins. mkd. "X" alongside the iron post.

Asc. 50 ft. over SW. slope.

42.50

W. point of sandstone ledge, 20 ft. high, slopes W.

42.70

Top of sandstone ledge; desc. 110 ft. along W. edge of side spur, sloping N.

70.70

Leave spur; desc. 20 ft. over gradual N. slope.

78.00

Enter exposed sandstone.

80.00

Point for the cor. of secs. 27, 28, 33 and 34.

Set an iron post, 30 ins. long, 1 in. diam., 8 ins. in a drill hole in solid rock and in a mound of stone, 3 ft. base to top, with brass cap mkd.

Portion of Subdivision of T. 28 S., R. 18 E.

Chains

T 28 S R 18 E	
S 28	S 27
S 33	S 34

1954

Deposit a rock 3 x 8 x 12 ins. mkd. "X" alongside the iron post.

Land, broken and rolling.

Soil, sandy and rocky.

Timber, none; underbrush, scattered black brush, Mormon tea and cacti.

N. 0° 02' W., bet. secs. 27 and 28.

Over exposed white sandstone.

7.35 Edge of White Rim, 280 ft. high, bears NW. and SE., facing NE.

By triangulation) Desc. steep NE. slope.

25.00 (Approx.) Bottom of steep descent; over rolling and broken land.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 27 and 28. Not monumented.

56.75 (Approx.) Wash, drains N. 30° W.

80.00 Point for the cor. of secs. 21, 22, 27, and 28. Not monumented.

N. 0° 02' W., bet. secs. 21 and 22. (Continue triangulation).

1.50 (Approx.) Wash, drains N. 60° W.

22.00 (Approx.) Wash, drains W. from SE.

36.50 (Approx.) Wash, drains N. 45° W.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 21 and 22. Not monumented.

51.50 (Approx.) Base of White Rim; asc. steep SW. slope.

64.40 (End of triangulation) Edge of White Rim, 150 ft. high, bears NW. and SE., facing SW.

Asc. 60 ft. over exposed sandstone on gentle rolling bench.

75.40 Bladed road, bears N. 60° E. and S. 60° W. for 2 chs. turning NW.; asc. 40 ft. over rocky SW. slope.

80.00 Point for the cor. of secs. 15, 16, 21, and 22.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the ground and in a mound of stone, 3 ft. base to top, with brass cap mkd.

T 28 S R 18 E	
S 16	S 15
S 21	S 22

1954

Deposit a rock 3 x 7 x 9 ins. mkd. "X" alongside the iron post.

Land, broken and rolling, with White Rim.

Soil, sandy and rocky.

Timber, none; underbrush, scattered black brush, Mormon tea and cacti.

N. 0° 02' W., bet. secs. 15 and 16.

Desc. 35 ft. along rocky E. slope.

17.40 Wash, 8 lks. wide, $1\frac{1}{2}$ ft. deep, drains S. 60° E.27.90 Wash, 20 lks. wide, $1\frac{1}{2}$ ft. deep, drains S. 60° E.

Chains

32.00 Wash, 20 lks. wide, $1\frac{1}{2}$ ft. deep, drains S. 40° E.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 15 and 16.

Set an iron post, 30 ins. long, 1 in. diam., 8 ins. in a drill hole in solid rock and in a mound of stone, $2\frac{1}{2}$ ft. base to top, with brass cap mkd.

S 16 | S 15

1954

Deposit a rock 2 x 8 x 8 ins. mkd. "X" alongside the iron post.

41.00 Wash, 15 lks. wide, 1 ft. deep, drains S. 10° E. from N. 10° E.; asc. 55 ft. over rocky broken SE. slope.

55.00 Top of sandstone ledge, 5 ft. high.

63.00 Wash, 10 lks. wide, 1 ft. deep, drains S. 30° E.; asc. 30 ft.

66.40 Top of sandstone ledge, 10 ft. high, bears S. 40° E. and S. 60° W.; asc. 35 ft.

78.50 Top of low rocky spur, slopes S.

80.00 Point for the cor. of secs. 9, 10, 15, and 16.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., over an "X" mkd. on solid rock and in a mound of stone, 3 ft. base to top, with brass cap mkd.

T. 28 S.	R 18 E
S 9	S 10
S 16	S 15

1954

Deposit a rock 2 x 7 x 10 ins. mkd. "X" alongside the iron post.

The cor. is located on rocky W. slope, 42 lks. E. of small wash.

Land, broken and rolling.

Soil, sandy and rocky.

Timber, none; underbrush, scattered black brush, Mormon tea and cacti.

N. 0° 02' W., bet. secs. 9 and 10.

Over rocky SW. slope.

6.80 Small wash, 10 lks. wide, 1 ft. deep, drains S. 20° W.; asc. 85 ft.

16.90 Low sandstone spur, slope S. 60° E.; asc. 15 ft.

23.00 Top of rocky broken spur, slopes S. 60° W.; desc. 115 ft.

32.10 Wash, 10 lks. wide, 2 ft. deep, drains N. 70° W.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 9 and 10.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground and in a mound of stone, $3\frac{1}{2}$ ft. base to top, with brass cap mkd.

Portion of Subdivision of T. 28 S., R. 18 E.

Chains

$\frac{1}{4}$
 S 9 | S 10
 1954

Deposit a rock 2 x 4 x 9 ins. mkd. "X" alongside the iron post.

40.05 Small wash, 6 lks. wide, 1 ft. deep, drains N. 60° W.; asc. 50 ft. over broken SW. slope.

57.90 Top of rocky spur, slopes N. 60° W.; desc. 80 ft.

76.00 Wash, 15 lks. wide, $1\frac{1}{2}$ ft. deep, drains N. 20° W.

78.80 Wash, 8 lks. wide, 1 ft. deep, drains N. 60° W.; desc. 50 ft.

80.00 Point for the cor. of secs. 3, 4, 9 and 10.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., over an "X" mkd. on solid rock and in a mound of stone, 5 ft. base to top, with brass cap mkd.

T 28 S R 18 E
 S 4 | S 3
 S 9 | S 10
 1954

Deposit a rock 2 x 5 x 8 ins. mkd. "X" alongside the iron post.

The cor. is located in bottom of small side ravine.

Land, broken and rolling.

Soil, sandy and rocky.

Timber, none; underbrush, scattered black brush, mormon tea and cacti.

N. 0° 03' E., bet. secs. 3 and 4.

Asc. 55 ft. over W. edge of series of side spurs, sloping NW.

8.50 Top of ascent; desc. 155 ft.

27.20 Rocky side wash, 25 lks. wide, 4 ft. deep, drains S. 60° W. for $1\frac{1}{2}$ chs. turning NW.; asc. 35 ft.

33.50 Top of low side spur, slopes N. 65° W.; desc. 20 ft. over gentle NW. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 3 and 4.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 15 ins. in the ground and in a mound of stone, 3 ft. base to top, with brass cap mkd.

$\frac{1}{4}$
 S 4 | S 3
 1954

Deposit a stone, 1 x 4 x 12 ins. mkd. "X" alongside the iron post.

46.00 Small side wash, 10 lks. wide, 1 ft. deep, drains W.; desc. 95 ft.

Chains

- 64.70 Deep rocky wash, 30 lks. wide, $2\frac{1}{2}$ ft. deep, drains N. 40° W.; desc. 35 ft.
- 68.30 Bottom of descent; asc. 45 ft.
- 80.05 Intersect the N. bdy. of Tp., at the cor. of secs. 3, 4, 33 and 34.
Land, broken and rolling.
Soil, sandy and rocky.
Timber, none; underbrush, shad scale, scattered black brush, mormon tea and cacti.
-
- From the cor. of secs. 1, 2, 35 and 36, on the N. bdy. of the Tp., which is monumented by an iron post, $2\frac{1}{2}$ ins. diam., firmly set, marked and witnessed as previously described.
- S. 0° $01'$ E., bet. secs. 1 and 2.
- Asc. 125 ft. over rolling N. slope, through moderate timber.
- 12.60 Top of ledge, broken, bears E. and W.; asc. 27 ft. over gentle N. slope.
- 28.00 Top of ascent; desc. 80 ft. over S. slope.
- 29.00 Slope changes to SW.; enter moderate timber.
- 39.65 Dirt road, bears S. 80° E. for 8 chs. then S. 40° E. and N. 75° W. for 8 chs. then S. 45° W.
- 39.99 Point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 2.
Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground to solid rock and in a mound of stone, 4 ft. base to top, with brass cap mkd.
- $\frac{1}{4}$
 $\frac{1}{4}$
 S 2 | S 1
 1954
- from which
- A pinon, 4 ins. diam., bears S. 5° E., 54 lks. dist., mkd. $\frac{1}{4}$ S1 BT.
- A pinon, 7 ins. diam., bears N. 73° W., 27 lks. dist., mkd. $\frac{1}{4}$ S2 BT.
- Descend 50 ft. over SW. slope, through moderate timber.
- 51.70 N. edge of ravine, 800 ft. deep, bears N. 85° W. and S. 70° E., Head of ravine is 4.50 chs. SE.
- 58.70 S. edge of ravine, bears S. 75° W. and N. 60° E.; asc. 65 ft. over broken NW. slope, through moderate timber.
- 79.99 Point for the cor. of secs. 1, 2, 11 and 12.
Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 25 ins. in the ground and in a small mound of stone, with brass cap mkd.

Portion of Subdivision of T. 28 S., R. 18 E.

Chains

T 28 S R 18 E
 S 2 | S 1
 S 11 | S 12
 1954

from which

A juniper, 6 ins. diam., bears N. 41° E., .177 lks. dist., mkd. S1 BT.

A juniper, 6 ins. diam., bears S. $33\frac{1}{2}^{\circ}$ E., 159 lks. dist., mkd. S12 BT.

A juniper, 12 ins. diam., bears S. $14\frac{1}{2}^{\circ}$ W., 187 lks. dist., mkd. S11 BT.

U. S. G. S. Triangulation Station "SHAFT", bears S. $32^{\circ} 34' 30''$ E.

U. S. G. S. Triangulation Station "UPHEAVEL", bears N. $32^{\circ} 57'$ W.

U. S. G. S. Triangulation Station "CANDLESTICK", highest point, bears S. $73^{\circ} 34'$ W.

Land, broken and rolling, with large ravine.

Soil, sandy and rocky.

Timber, juniper and pinon; underbrush, shad scale, service brush and cacti.

S. $89^{\circ} 59'$ W., bet. secs. 2 and 11.

Desc. 65 ft. over slight W. slope, through moderate timber.

20.00 Slope changes to NW.

36.46 Point for the witness $\frac{1}{4}$ sec. cor. of secs. 2 and 11.

Set an iron post, 30 ins. long, 1 in. diam., 10 ins. in a drill hole in solid rock and in a mound of stone, 3 ft. base to top, with brass cap mkd.

W C
 S 2
 $\frac{1}{4}$ ←
 S 11
 1954

Deposit a rock 2 x 3 x 7 ins. mkd. "X" alongside the iron post.

36.80 Edge of rim, bears N. and S. facing W.

(By triangulation) Descend 200 ft. along W. and NW. faces of rim.

40.00 True point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 11. Not monumented.

(Continue triangulation) Descend 800 ft. along N. and NW. faces of rim.

80.00 True point for the cor. of secs. 2, 3, 10 and 11. Not monumented.

Land, broken and rolling in $\frac{1}{2}$, nearly vertical wall of mesa in $\frac{1}{2}$

Soil, sandy and rocky

Timber, pinon and juniper in $\frac{1}{2}$; underbrush, scattered shad scale, service brush and cacti.

Portion of Subdivision of T. 28 S., R. 18 E.

Chains

Counting from true point for cor. of secs. 2, 3, 10, and 11. *Calculated*
N. 0° 01' W., bet. secs. 2 and 3.

(Continue triangulation) Descend 300 ft. over N. slope of rim.

9.20 (End of triangulation) Point for the witness cor. of secs. 2, 3, 10 and 11.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 15 ins. in the ground and in a mound of stone, $2\frac{1}{2}$ ft. base to top, with brass cap mkd.

T 28 S R 18 E
S 3 S 2
S 10 S 11
W C
1954

Deposit a rock 4 x 4 x 7 ins. mkd. "X" alongside the iron post.

Desc. 120 ft. over broken NW. slope.

15.10 Side wash at base of grey ledge, 10 lks. wide, $1\frac{1}{2}$ ft. deep, drains N. 30° W.; desc. 70 ft.

28.00 Wash, 30 ft. deep, drains N. 40° W.; desc. 10 ft.

34.00 Wash, 50 ft. deep, drains N. 60° W.; asc. 20 ft.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 3.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground and in a mound of stone, 3 ft. base to top, with brass cap mkd.

$\frac{1}{4}$
S 3 S 2
1954

Deposit a rock 5 x 9 x 11 ins. mkd. "X" alongside the iron post.

Asc. 30 ft. over rocky SW. slope.

44.60 Top of side spur, slopes N. 60° W.; desc. 50 ft.

47.40 Side wash, 15 lks. wide, 2 ft. deep, drains N. 50° W.

(By traverse and triangulation) Asc. 350 ft. to cor.

58.00 (Approximate) Small wash, drains NW.

80.06 (End of traverse and triangulation) Intersect the N. bdy. of Tp., at the true point for the cor. of secs. 2, 3, 34 and 35. Not monumented.

The witness cor. of secs. 2, 3, 34 and 35, which is an iron post, 1 in. diam., firmly set, marked and witnessed as previously described, bears E. 8.51 chs. dist.

Land, broken and rolling.

Soil, sandy and rocky.

Timber, none; underbrush, shad scale, scattered service brush and cacti.

From the cor. of secs. 15, 16, 21 and 22.

Portion of Subdivision of T. 28 S., R. 18 E.

Chains	
	West, bet. secs. 16 and 21.
	Desc. 45 ft. over gradual SW. slope.
14.00	Small wash, drains S.; thence over low rolling land.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 16 and 21.
	Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 18 ins. in the ground and in a mound of stone, 2 $\frac{1}{2}$ ft. base to top, with brass cap mkd.
	<div style="text-align: center;"> S 16 $\frac{1}{4}$ ————— S 21 1954 </div>
	Deposit a rock 3 x 9 x 12 ins. mkd. "X" alongside the iron post.
	Asc. 20 ft. over NE. slope.
58.80	S. point of low side spur, slopes from N.; desc. 15 ft.
60.60	Road, bears N. 55° W. and S. 55° E.; desc. 10 ft.
72.20	Side wash, 10 lks. wide, 1 $\frac{1}{2}$ ft. deep, drains S.
72.80	Side wash, 15 lks. wide, 1 ft. deep, drains S.; desc. 5 ft.
79.90	Small drain, drains S. 20° E.; asc. 10 ft.
80.00	Point for the cor. of secs. 16, 17, 20, and 21.
	Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 14 ins. in the ground and in a mound of stone, 2 ft. base to top, with brass cap mkd.
	<div style="text-align: center;"> T 28 S. R 18 E S 17 S 16 S 20 S 21 1954 </div>
	Deposit a rock 2 x 11 x 14 ins. mkd. "X" alongside the iron post.
	Land, low rolling.
	Soil, sandy and rocky clay loam.
	Timber, none; underbrush, scattered black brush, Mormon tea and cacti.
	N. 0° 03' W., bet. secs. 16 and 17.
	Asc. 110 ft. over broken rocky SE. slope.
20.40	Road, bears E. and W.; asc. 75 ft.
22.90	Rocky side spur, slopes S. 50° W.; desc. 55 ft. into head of ravine.
33.30	Wash in bottom of ravine, drains S. 60° W.; asc. 60 ft.
36.90	Top of flat rocky spur, slopes W.; desc. 75 ft.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 16 and 17.

Chains

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 15 ins. in the ground and in a mound of stone, 4 ft. base to top, with brass cap mkd.

$\frac{1}{4}$
S 17 | S 16

1954

Deposit a rock 2 x 8 x 8 ins. mkd. "X" alongside the iron post.

Desc. 65 ft. over rocky N. slope.

48.80 Wash, 20 lks. wide, 2 ft. deep, drains N. 50° W.; asc. 15 ft. over rolling SW. slope.

61.00 Base of side spur; asc. 65 ft.

64.50 Top of spur, slopes N. 60° W., spur ends 5 chs. dist.; desc. 95 ft.

72.80 Wash at base of side spur, 5 lks. wide, 1 ft. deep, drains W.; asc. 75 ft.

78.00 Top of rocky side spur, slopes N. 50° W.; desc. 5 ft.

80.00 Point for the cor. of secs. 8, 9, 16, and 17.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 18 ins. in the ground and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T 28 S R 18 E
S 8 | S 9
S 17 | S 16

1954

Deposit a rock 2 x 8 x 15 ins. mkd. "X" alongside the iron post.

Land, broken and rolling.

Soil, sandy and rocky.

Timber, none; underbrush, scattered black brush, Mormon tea and cacti.

From the cor. of secs. 9, 10, 15, and 16.

N. 89° 58' W., bet. secs. 9 and 16.

Over broken and rolling land.

0.42 Small side wash, drains S.; asc. 25 ft.

10.37 Top of ascent; desc. 5 ft. over rolling land.

32.42 Desc. 80 ft. over steep, rocky NW. slope to cor.

40.01 Point for the $\frac{1}{4}$ sec. cor. of secs. 9 and 16.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., over an "X" mkd. on solid rock and in a mound of stone, $3\frac{1}{2}$ ft. base to top, with brass cap mkd.

$\frac{1}{4}$
S 9
S 16

1954

Portion of Subdivision of T. 28 S., R. 18 E.

Chains

Deposit a rock 3 x 8 x 8 ins. mkd. "X" alongside the iron post.

The cor. is located on solid rock at head of side ravine, which drains N. 30° W.

41.02 Head of side ravine, which drains N. 30° W.; desc. 10 ft. over extremely broken, rocky terrain.

58.72 Top of rocky side spur, slopes N. 35° W.; desc. 75 ft.

62.57 Bottom of descent; asc. 45 ft.

65.72 Side wash, 15 lks. wide, $1\frac{1}{2}$ ft. deep, drains N. for 1 ch. then NW.; asc. 70 ft. over series of rocky broken side spurs sloping N.

80.02 The cor. of secs. 8, 9, 16, and 17.

Land, broken and rolling.

Soil, sandy and rocky.

Timber, none; underbrush, scattered black brush, Mormon tea and cacti.

General Description

The land embraced within this fractional township consists of broken benchlands in the western portion situated between the Green River and high mesa lands in the eastern and northeastern portion. The elevation ranges from approximately 3900 ft. on the Green River to 6300 ft. on high mesa land in the northeastern portion. There is scattered dwarf juniper and pinon found on the high mesa tops. The undergrowth consists mainly of scattered black brush, Mormon tea, shadscale, and cacti. There is sufficient grass for grazing. The soil is principally shallow sandy and sandy clay loams lying on sandstone bedrock. No water was noted in the township except that of the Green River. Unimproved roads are found on top of the high mesa lands throughout the northeastern corner of township. A road recently bladed follows along the top bench above White Rim. There are no inhabitants within the township.

I, Leland P. Lewis, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 7th day of May, 1954,

I have surveyed a portion of the subdivisional lines of Township 28 South, Range 18 E

of the Salt Lake Meridian, in the State of Utah, which are represented in the foregoing field notes as having been executed by me and under my direction; and that said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

Moab, Utah

September 29, 1954

Leland P. Lewis

Leland P. Lewis

Cartographic Survey Aid

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., _____, 19____

The foregoing field notes of the survey of _____

executed by _____

having been critically examined and found correct, are hereby approved.

Chief, Division of Cadastral Engineering

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in _____

_____, is a true copy of the original field notes.

Chief, Division of Cadastral Engineering

CERTIFICATE OF CADASTRAL ENGINEER

I, Chester A. Swiatek, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 7th day of May, 1954, I have surveyed the south boundary of Township 27 South, Range 18 East, and surveyed portions of the south and west boundaries and portion of subdivisional lines of Township 28 South, Range 18 East

of the Salt Lake Meridian, in the State of Utah, which are represented in the foregoing field notes as having been executed by me and under my direction; and that said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

Moab, Utah

September 29, 1954

Chester A. Swiatek
 Chester A. Swiatek
 Cartographer (Cadastral)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., JUN 20 1955, 19

The foregoing field notes of the survey of the south boundary of Township 27 South, Range 18 East, and the survey of portions of the south and west boundaries and portion of subdivisional lines of Township 28 South, Range 18 East

executed by Chester A. Swiatek, Cartographer (Cadastral) and Leland P. Lewis, Cartographic Survey Aid having been critically examined and found correct, are hereby approved.

James E. Bennett
 Chief, Division of Cadastral Engineering
 Acting Cadastral Engineering Staff Office

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in _____, is a true copy of the original field notes.

Chief, Division of Cadastral Engineering

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

of the survey of the

North, South, and West Boundaries

and a portion of the Subdivision of

T. 28 S., R. 19 E.

Of the Salt Lake Meridian,

In the State of Utah

EXECUTED BY

Andrew Nelson, Cartographer (Cadastral)

Chester A. Swiatek, Cartographer (Cadastral)

Leland P. Lewis, Cartographic Survey Aid

and supplemental special instructions dated May 7, 1954, approved May 18, 1954.

Under special instructions dated Feb. 17, 1928 / which provided

for the surveys included under Group No. 188, approved March 8, 1928

and assignment instructions dated June 14, 1954.

Survey commenced August 9, 1954.

Survey completed September 27, 1954.

INDEX DIAGRAM

Township 28 South, Range 19 East

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		32			
10 19	20	21 25	22	23	24
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8 31	36 32	35 33	23 34	35 21	36 32
7	6	5	4	3	2

- Lines surveyed by Swiatek.
- Lines surveyed by Lewis.
- - - Lines surveyed by Nelson.

16-56770-1

2040

1
North, South, and West Boundaries
and Portion of Subdivision of
T. 28 S., R. 19 E.

382

The east boundary of T. 28 S., R. 19 E., was surveyed in 1927, by Moore, Swanholm and Yundt.

The following field notes are those of the survey of the North, South, and West boundaries and a portion of the subdivision of T. 28 S., R. 19 E., deemed sufficient in extent to facilitate development of the natural resources and mark the boundaries of those sections that normally are considered State school sections.

This survey was executed with Buff and Buff light mountain solar transits, serial numbers, 18002 and 23442, and a W. and L. E. Gurley engineer's transit, serial number, 491037, equipped with full vertical circles and improved smith-type telescopic solar attachments, and conform to the standard instrumental specifications of the Bureau of Land Management. The instruments having been placed in satisfactory adjustment prior to the beginning of the survey, were maintained thereafter in precise adjustment throughout the progress of the survey.

Corners on the east-west lines were set on the true latitudinal curve. Lines connecting previously established corners were run by random and true method, but for simplification of the record, the random lines are omitted from the field notes. In accordance with the intent of the special instructions all subdivisional corners established are calculated to be at the positions they would occupy if the entire township were subdivided.

Measurements herein contained were made with a narrow steel tape, 8 chains in length, graduated every link for the first 100 links, and thereafter in intervals of every 10 links. The tape was tested by comparison with a 1-chain standard steel tape and found to be correct. Measurements were made on the slope with the vertical angle of each interval ascertained by two clinometers in good adjustment; the field notes showing the horizontal equivalents. All lines of this survey were run by direct method where the lines are accessible, lines inaccessible to chaining were run by traverse or triangulation methods. The details of such traverse or triangulations have been thoroughly verified and in order to simplify the record, the diagrams and reductions are omitted from these field notes.

The geographic position for the southeast corner of this township is in latitude $38^{\circ} 18' 56''$ N., and longitude $109^{\circ} 46' 15''$ W., as determined by traverse from U.S.G.S. 'Shaft', situated in section 12, T. 28 S., R. 18 E.

August 8, 1954, on the south boundary of T. 28 S., R. 19 E., at the section corner of the sections 1, 6, 31 and 36, Rs. 19 and 20 E., in latitude $38^{\circ} 18' 56''$ N., and longitude $109^{\circ} 46' 15''$ W., I make an hour angle observation of Polaris, west of the meridian, with the following results:

Mean watch time of observation, a.m.	11h 30' 27"
True azimuth	$71^{\circ} 11' 38''$
Hour angle of Polaris	6h 24' 54"
Horizontal angle	$20^{\circ} 18' 00''$
True bearing of reference line	$N19^{\circ} 06' 12''$ E.

The magnetic declination was read at a number of stations throughout the township, and the average of the readings was found to be, $15^{\circ} 10' 00''$ E.

Beginning at the corner of the sections 1, 6, 31 and 36, Ts. 28 and 29 S., Rs. 19 and 20 E., which is monumented with an iron post, 2 ins. diam., firmly set, mkd. and witnessed as described in the official record of the survey of the west boundary of T. 29 S., R. 20 E.

West, bet. secs. 1 and 36.

Over rough, broken land.

Chains	Ascend 35 ft. over broken, rocky E. slope of Colorado River canyon.
2.50	Top of ascent, thence over rolling to broken, rocky land.
20.80	Bottom of small, rocky ravine, drains N., 1 ch. thence N. 40° E., cont. over broken land.
40.00	Point for the $\frac{1}{4}$ sec. cor. of the secs. 1 and 36. Set an iron post, 2 $\frac{1}{2}$ ins. diam., 30 ins. long, 10 ins. in the ground, and in mound of stone, 3 $\frac{1}{2}$ ft. base to top of post, with brass cap mkd. <div style="text-align: center;"> S 36 $\frac{1}{4}$ S 1 19 54 </div>
	Deposit a sandstone, 12"x8"x3", mkd. 'X', alongside of cor.
	Cor. is located on gradual N. slope, between two broken sandstone ledges, which bears N. and S., 2 chs. apart.
	Thence cont. over broken land.
44.00	Descend 50 ft. over SW. slope.
47.20	Small ravine, drains N. 30° W., ascend 60 ft. over rocky NE. slope.
50.80	Low spur, sloping N., thence descend 20 ft. over general W. slope.
56.30	Small ravine, drains N., ascend 95 ft. over E. face of broken sandstone ledges.
60.20	Base of sheer sandstone spur, ascend 175 ft. over E. face of ledge.
61.55	Top of ledge, cont. to ascend 15 ft.
62.50	Sandstone spur, sloping N. 30° E., approx. 3 chs. to end; descend 10 ft.
63.80	E. rim of deep draw, brs. N. and S., approx. 250 ft. deep.
70.00	W. rim of draw, brs. N. and S., thence ascend 160 ft. over series of steep, broken ledges, general SW. slope.
78.60	E. rim of canyon, brs. N. and S., approx. 300 ft. deep.
80.00	True point for the sec. cor. of the secs. 1, 2, 35 and 36, falls on a steep, rocky E. slope of canyon, where the monument cannot be perpetuated. Land: Rough, broken, rocky. Soil: Rocky, sandy loam. Brush: Moderate mountain ash, brigham tea, and scattered sage. Timber: None.
	West, bet. secs. 2 and 35. Over broken, rocky land. Through canyon, draining N. to NE.
4.60	W. rim of canyon, brs. N. and S., ascend 25 ft. over rocky SE. slope

Chains
5.00

Point for the witness sec. cor. of the secs. 1, 2, 35 and 36.

Set an iron post, 1 ins. diam., 30 ins. long, 10 ins. in drillhole, and in mound of stone, 3 ft. base to top of post, with brass cap mkd.

T 28 S R 19 E			
S 35	S 36		
S 2	S 1	→	
19 54			

Cor. is located on bare sandstone.

Leave broken, rocky land, enter low rolling rocky land (mesa), with some sandstone outcroppings.

24.90

Leave rocky land, with sandstone outcroppings, enter sandy land.

40.00

Point for the $\frac{1}{4}$ sec. cor. of the secs. 2 and 35.

Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, 15 ins. in the ground, and in mound of stone, 3 ft. base to top of post, with brass cap mkd.

$\frac{1}{4}$	S 35
	S 2
19 54	

Deposit a sandstone, 12"x9"x1", mkd. 'X', alongside of cor.

Cor. is located on level open land, 26. 50 E. of dirt road.

Cont. over low rolling, sandy mesa land.

66.50

Graded road, brs. N. and S.

78.90

Small wash, course N. 30° E.

80.00

Point for the sec. cor. of the secs. 2, 3, 34 and 35.

Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, 20 ins. in the ground, and in mound of stone, 3 ft. base to top of post, with brass cap mkd.

T 28 S R 19 E			
S 34	S 35		
S 3	S 2	→	
19 54			

Deposit a sandstone, 8"x8"x3", mkd. 'X', alongside of cor.

Cor. is located on gradual NE. slope, 1 ch. W. of small wash, course N. 30° E.

Land: Low rolling mesa land.

Soil: Rocky, sandy to sandy loam.

Brush: Moderate sage, mountain ash, brigham tea.

Timber: None.

West, bet. secs. 3 and 34.

Over low rolling mesa land.

Chains
0.20

Small wash, course N. 55° E.

5.50

Leave low rolling land, ascend 120 ft. over rocky E. slope of broken sandstone bench.

14.20

Top of broken sandstone bench, cont. to ascend 10 ft. over gradual, rocky E. slope.

23.00

Base of broken sandstone spur, ascend 55 ft. over steep SE. slope.

24.80

Top of ascent on sandstone spur, sloping S. 80° E., descend 155 ft. over SW. slope.

30.60

Ravine, draining S. 20° E., ascend 215 ft. over steep, rocky SE. slope, over broken sandstone ledges.

40.00

Point for the $\frac{1}{4}$ sec. cor. of the secs. 3 and 34.

Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, 5 ins. in the ground, and in mound of stone, $4\frac{1}{2}$ ft. base to top of post, with brass cap mkd.

$$\begin{array}{r} S\ 34 \\ \frac{1}{4} \quad \hline S\ 3 \\ 19\ 54 \end{array}$$

Deposit a sandstone, 5"x5"x2", mkd. 'X', alongside of cor.

Cor. is located on steep, rocky SE. slope.

Cont. to ascend 40 ft. over rocky SE. slope.

41.30

Top of ascent on broken sandstone spur, sloping S. 20° E., thence descend 90 ft. over broken, rocky SW. slope.

54.50

Enter broken sandstone bench, cont. to descend 218 ft. over series of broken sandstone ledges, general W. slope.

61.20

Base of sandstone spur, ascend gradually over low rolling, rocky land.

72.50

S. point of broken sandstone spur, thence ascend 60 ft. over steep, rocky SE. slope.

75.60

Top of spur, sloping S., thence along S. portion of spur.

78.40

Leave spur, descend 105 ft. over rocky W. slope.

80.00

Point for the sec. cor. of the secs. 3, 4, 33 and 34.

Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, 10 ins. in the ground, and in mound of stone, 3 ft. base to top of post, with brass cap mkd.

$$\begin{array}{r} T\ 28\ S\ R\ 19\ E \\ S\ 33 \quad S\ 34 \\ \hline S\ 4 \quad S\ 3 \\ 19\ 54 \end{array}$$

from which

A juniper, 20 ins., diam., brs. N. 29 $\frac{1}{2}$ ° W., 187 lks. dist., mkd.
T28S R19E S33 BT.

Chains

Cor. is located on gradual W. slope, approx. 5 chs. N. of rut road, which brs. E. and W. (winding).

Land: Broken, rocky to rolling.

Soil: Rocky, sandy loam.

Brush: Moderate sage, mountain ash, some brigham tea.

Timber: None.

West, bet. secs. 4 and 33.

Over rolling to broken land.

Descend 30 ft. over rocky W. slope.

7.90 Graded road, (in curve) brs. S. 50° E. and S. 60° W.

10.40 Small wash, course S. 20° E., (deep draw, heads 1 ch. S.) thence ascend 260 ft. over series of broken sandstone spurs and ravines, sloping and draining SE., general SE. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of the secs. 4 and 33.

Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, over 'X' on sandstone bedrock, and in mound of stone, 5 ft. base to top of post, with brass cap mkd.

	S 33
$\frac{1}{4}$	<hr style="width: 50px; border: 0.5px solid black;"/>
	S 4
19 54	

Cor. is located on top of broken sandstone spur, sloping S. 40° E.

Cont. to ascend 20 ft. over general NE. slope.

49.50 End of series of spurs, and ravines, thence gradual descent of 50 ft. along S. edge of broken sandstone bench.

75.80 Bladed road, brs. N. 60° W. and S. 20° W., enter scattered juniper.

78.60 Wash, 10 lks. wide, 3 ft. deep, course S. 45° E., ascend 10 ft. over rocky SE. slope.

80.00 Point for the sec. cor. of the secs. 4, 5, 32 and 33.

Set an iron post, 1 ins. diam., 30 ins. long, 10 ins. in drillhole, and in mound of stone, $3\frac{1}{2}$ ft. base to top of post, with brass cap mkd.

T 28 S R 19 E			
S 32	S 33		
S 5	S 4		
19 54			

from which

A juniper, 10 ins., diam., brs. N. 79 $\frac{3}{4}$ ° E., 72 lks. dist., mkd. S33 BT.

A juniper, 12 ins., diam., brs. S. 12° E., 116 lks. dist., mkd. S4 BT.

A juniper, 10 ins., diam., brs. S. 13 $\frac{1}{2}$ ° W., 128 lks. dist., mkd. S5 BT.

A juniper, 16 ins., diam., brs. N. 76 $\frac{1}{4}$ ° W., 34 lks. dist., mkd. S32 BT.

Chains

Cor. is located on top of flat boulder, 24'x12'x6', 140 lks. W. of small wash, course SE., at base of steep, rocky E. slope.

Land: Rolling to broken, steep.

Soil: Rocky, sandy loam.

Brush: Moderate sage, some mountain ash and brigham tea.

Timber: Scattered juniper.

West, bet. secs. 5 and 32.

Over steep, broken land.

Ascend 80 ft. over steep, rocky talus slope, general E. slope, through scattered juniper.

- 5.00 Dim road, brs. N. 20° W. and S. 20° E.
- 6.20 Broken sandstone ledge, brs. N. and S., cont. to ascend 110 ft. over broken talus slope, general SE. slope.
- 11.80 Thence by triangulation, ascend 1,000 ft. over broken SE. talus slope.
- 36.12 E. rim of 'Grand River' Point, (mesa) brs. N. to NE. to E. and S. to SW., thence by chaining.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of the secs. 5 and 32.

Set an iron post, 2 $\frac{1}{2}$ ins. diam., 30 ins. long, 20 ins. in the ground, and in mound of stone, 3 ft. base to top of post, with brass cap mkd.

$$\begin{array}{r} S\ 32 \\ \frac{1}{4} \\ \hline S\ 5 \\ 19\ 54 \end{array}$$

from which

A pinon, 12 ins., diam., brs. N. 59 $\frac{1}{4}$ ° E., 129 lks. dist., mkd. $\frac{1}{4}$ S32. BT.

Thence gradual descent of 60 ft. along 'Grand River' Point; general W. slope.

- 43.00 Rut road, brs. SW. (to end of 'Grand River' Point) and NE. approx. $\frac{1}{2}$ mile, thence NW. along top of 'Grand River' Point.
- 53.84 W. rim of 'Grand River' Point, brs. N. to NW. and SW.
- Thence by triangulation, descend 1,000 ft. over talus slope, general W. slope, some sandstone outcroppings.
- 79.01 Edge of sandstone bench.
- Thence by chaining, cont. to descend 50 ft. over steep, rocky W. slope.
- 90.00 Point for the sec. cor. of the secs. 5, 6, 31 and 32.

Set an iron post, 2 $\frac{1}{2}$ ins. diam., 30 ins. long, 10 ins. in the ground, and in mound of stone, 3 ft. base to top of post, with brass cap mkd.

Chains

T 28 S R 19 E

S 31	S 32
------	------

S 6	S 5
-----	-----

19 54

from which

A juniper, 12 ins., diam., brs. N. 18° E., 139 lks. dist., mkd.
S32 BT.

A juniper, 10 ins., diam., brs. N. 46 $\frac{1}{4}$ ° W., 85 lks. dist., mkd.
S31 BT.

Cor. is located on steep, rocky W. slope, 1 ch. W. of sandstone cliff, approx. 50 ft. high.

Land: Steep, broken.

Soil: Sandy clay.

Brush: Sparse sage.

Timber: Scattered juniper, some pinon.

West, bet. secs. 6 and 31.

Through 'Murphy Range'.

Descend 140 ft. over steep, rocky W. slope.

5.70 Wash, 15 lks. wide, 3 ft. deep, course N. 30° W., thence over rolling rocky land.

14.50 Wash, 10 lks. wide, 2 ft. deep, course N. 60° W.

38.20 Wash, 15 lks. wide, 2 ft. deep, course N. 55° W.

40.00 Point for the $\frac{1}{4}$ sec. cor. of the secs. 6 and 31.

Set an iron post, 2 $\frac{1}{2}$ ins. diam., 30 ins. long, 10 ins. in the ground, and in mound of stone, 3 ft. base to top of post, with brass cap mkd.

S 31

$\frac{1}{4}$

S 6

19 54

from which

A juniper, 12 ins., diam., brs. S. 13° E., 288 lks. dist., mkd.
 $\frac{1}{4}$ S6 BT.

Cor. is located 185 ft. below sec. cor. on steep, N. slope, 1 ch. S. of wash, course N. 60° W.

Thence over gradual NE. slope.

43.00 Low rise, brs. NW. and SE., thence over rolling land.

52.40 Wash, 15 lks. wide, 3 ft. deep, course W.

56.70 Leave wash, course N. 30° W.

79.43 Point for the corner of Ts. 28 S., Rs. 18 and 19 E. and Ts. 29 S., Rs. 18 $\frac{1}{2}$ and 19 E.

384

Chains

Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, 5 ins. in the ground, and in mound of stone, 3 ft. base to top of post, with brass cap mkd.

T 28 S
R 18 E R 19 E
S 36 | S 31
S 1 | S 6
R $18\frac{1}{2}$ E R 19 E
T 29 S
19 54

from which

A juniper, 4 ins., diam., brs. S. $35\frac{1}{2}^{\circ}$ E., 211 lks. dist., mkd. BT.

A juniper, 14 ins., diam., brs. S. $29\frac{1}{2}^{\circ}$ W., 213 lks. dist., mkd. T29S R18 $\frac{1}{2}$ E S1 BT.

Cor. is located on gradual SE. slope, in shallow sandy loam soil.

Land: Broken to rolling.

Soil: Rocky, sandy loam.

Brush: Moderate sage, some mountain ash.

Timber: Scattered juniper, some pinon.

West Boundary of T. 28 S., R. 19 E.

From the corner of Ts. 28 S., Rs. 18 and 19 E., and Ts. 29 S., Rs. 18 $\frac{1}{2}$ and 19 E.

North, bet. secs. 31 and 36.

Over rolling, rocky land, through 'Murphy Range'.

Ascend 20 ft. over gradual, rocky SE. slope, through scattered juniper.

4.80 Top of low spur, sloping W., descend 110 ft. over rocky N. slope.

9.45 Wash, (in bottom of ravine) 10 lks. wide, 2 ft. deep, course N. 65° thence ascend 100 ft. over rocky S. slope.

12.60 Spur, sloping W., approx. 6 chs. to end, descend 65 ft. over N. slope.

19.70 Wash, 20 lks. wide, 2 ft. deep, course S. 50° W., ascend 110 ft. over broken, rocky S. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of the secs. 31 and 36.

Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, 20 ins. in the ground, and in mound of stone, $3\frac{1}{2}$ ft. base to top of post, with brass cap mkd.

S 36 | S 31
19 54

from which

A red sandstone boulder, 20'x10'x17', brs. N. 44° 17' E., 129 dist., mkd. BXD.

Chains Cor. is located on gradual S. slope, 1 ch. S. of base of steep, rocky S. slope.

Thence cont. to ascend 200 ft. over broken sandstone ledges, general S. slope.

47.90 Sandstone spur, sloping S. 50° W., descend, abruptly 210 ft. over general N. slope, rocky.

56.30 Head of wash, 25 lks. wide, 2 ft. deep course N. 40° W., ascend, gradually 20 ft. over rocky SW. slope.

62.00 Top of ascent, descend 30 ft. to sec. cor., over rocky broken land, general NW. slope.

76.70 Wash, 30 lks. wide, 3 ft. deep, course S. 50° W.

80.00 Point for the sec. cor. of the secs. 25, 30, 31 and 36.

Set an iron post, 2½ ins. diam., 30 ins. long, 15 ins. in the ground, and in mound of stone, 4 ft. base to top of post, with brass cap mkd.

T 28 S	
R 18 E R 19 E	
S 25	S 30
S 36	S 31
19 54	

Deposit a sandstone, 10"x8"x1", mkd. 'X', alongside of cor.

Cor. is located on gradual NW. slope, 1 ch. E. of head of small drain, course W.

Land: Rolling, rocky, steep.
Soil: Rocky, sand loam.
Brush: Moderate sage.
Timber: Scattered juniper.

North, bet. secs. 25 and 30.

Over Rocky, broken land.

Descend 25 ft. over general NW. slope.

10.70 Wash, (in bottom of small, rocky ravine) 20 lks. wide, 3 ft. deep, course S. 40° W., ascend 30 ft. over broken red sandstone bench, general SE. slope.

12.70 Top of broken red sandstone bench, brs. E. and W., descend 15 ft. over NW. slope.

23.00 Wash, 15 lks. wide, 2 ft. deep, course S. 35° W., ascend 65 ft. over SE. slope to ¼ sec. cor.

36.00 Base of gray, broken sandstone bench.

40.00 Point for the ¼ sec. cor. of the secs. 25 and 30.

Set an iron post, 2½ ins. diam., 30 ins. long, over 'X' on sandstone bedrock, and in mound of stone, 5 ft. base to top of post, with brass cap mkd.

Chains

S 25		S 30
19 54		

Cor. is located on moderate rocky SE. slope, at base of broken sandstone bench, no timber.

Cont. to ascend 150 ft. over gray, sandstone bench, general SE. slope.

47.50 Top of sandstone bench.

47.60 Thence by triangulation, ascend 750 ft. to cor.

50.50 Bladed road (in curve) bears S. 60° E. and S. 55° W.

53.70 Leave 'Murphy Range', also base of talus slope,

64.32 S. edge of 'Grand River' Point, brs. N. 60° E. and S. 70° W.

Thence by chaining, ascend 30 ft. over 'Grand River' Point, through scattered juniper and pinon, general S. slope.

80.00 Point for the sec. cor. of the secs. 19, 24, 25 and 30.

Set an iron post, 1 ins. diam., 30 ins. long, 10 ins. in drillhole, and in mound of stone, 3½ ft. base to top of post, with brass cap mkd.

T 28 S		
R 18 E R 19 E		
S 24		S 19
S 25		S 30
19 54		

from which

A pinon, 12 ins., diam., brs. N. 39° E., 58 lks. dist., mkd.
S19 BT.

A pinon, 12 ins., diam., brs. S. 38½° E., 86 lks. dist., mkd.
T28S R19E S30 BT.

Land: Steep, broken to rolling.

Soil: Sandy loam, and sandy clay.

Brush: Scattered sage, mountain ash, some brigham tea.

Timber: Scattered juniper and pinon.

North, bet. secs. 19 and 24.

Over 'Grand River' Point.

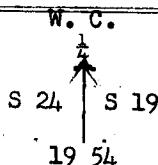
Ascend 40 ft. over general S. slope.

8.65 Top of ascent on 'Grand River' Point, cont. over rolling land across 'Grand River' Point.

38.15 Point for the witness ¼ sec. cor. of the secs. 19 and 24.

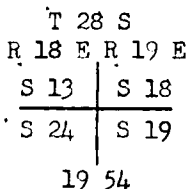
Set an iron post, 1 ins. diam., 30 ins. long, 12 ins. in drillhole, and in mound of stone, 2 ft. base to top of post, with brass cap mkd.

Chains



- 38.32 N. edge of 'Grand River' Point, brs. SE. to E. and N. 75° W.
Thence by triangulation, descend 1180 ft. over broken N. slope.
- 40.00 True point for the $\frac{1}{4}$ sec. cor. of the secs. 19 and 24, falls on steep, broken, N. slope of 'Grand River' Point, where the monument cannot be perpetuated.
- 55.00 Base steep, broken N. slope, cont. over broken N. to NE. slope.
- 70.00 Wash, 20 lks. wide, 2 ft. deep, course N. 35° E., ascend over broken to rolling NE. slope.
- 77.00 Wash, 25 lks. wide, 2 ft. deep, course N. 55° W., also base of gray sandstone bench.
- 80.00 Point for the sec. cor. of the secs. 13, 18, 19 and 24.

Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, 20 ins. in the ground, and in mound of stone, 2 ft. base to top of post, with brass cap mkd.



from which

A juniper, 10 ins., diam., brs. N. 75 $\frac{3}{4}$ ° E., 58 lks. dist., mkd. S18 BT.

A juniper, 10 ins., diam., brs. S. 83 $\frac{1}{4}$ ° W., 166 lks. dist., mkd. S24 BT.

Cor. is located on steep, rocky W. slope, 2 sandstone boulders, 6'x10' x4' and 3'x5'x2' brs. W. of cor.

Land: Steep, broken to rolling.

Soil: Sandy loam and sandy clay, with some sandstone outcroppings.

Brush: Moderate to scattered blackbrush and sage.

Timber: Scattered juniper and pinon.

North, bet. secs. 13 and 18.

Over steep, rocky, broken land.

Thence by chaining, ascend 140 ft. over steep, rocky SW. slope, over series of rocky spurs and ravines, sloping and draining SW.

- 13.80 End of series of spurs and ravines, descend 85 ft. over broken NW. slope.

- 23.10 Wash, (in bottom of ravine) course S. 50° W., thence ascend 180 ft. over steep, rocky SW. slope, some sandstone outcroppings.

- 28.30 Edge of gray sandstone bench, cont. to ascend 20 ft. over gradual SW. slope of bench top.

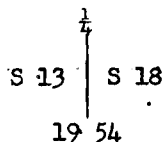
Chains
32.80

Top of ascent, descend 15 ft. over gradual N. slope.

40.00

Point for the $\frac{1}{4}$ sec. cor. of the secs. 13 and 18.

Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, 20 ins. in the ground, and in mound of stone, $2\frac{1}{2}$ ft. base to top of post, with brass cap mkd.



Deposit a sandstone, 8"x5"x1", mkd. 'X', alongside of cor.

Cor. is located on gradual N. slope, 60 lks. S. of edge of sandstone bench.

Cont. to descend 5 ft. over gradual N. slope.

40.60

N. edge of gray sandstone bench, brs. E. and W., descend 220 ft. over steep, rocky N. slope.

47.80

Bottom of steep descent in wash, 10 lks. wide, 2 ft. deep, course N. 50° W., thence over rolling, rocky land.

53.60

Wash, 10 lks. wide, 2 ft. deep, course N. 30° W.

59.20

Deep wash, course N. 40° W.

66.20

Head of deep wash, course W., leave rolling land and ascend 80 ft. over steep, rocky, general S. slope.

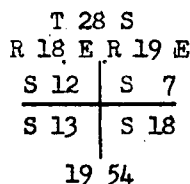
71.10

Top of ascent on broken sandstone spur, sloping W., descend 40 ft. over rocky NW. slope.

80.00

Point for the sec. cor. of the secs. 7, 12, 13 and 18.

Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, 20 ins. in the ground, and in mound of stone, 2 ft. base to top of post, with brass cap mkd.



from which

A juniper, 10 ins., diam., brs. N. 60° E., 281 lks. dist., mkd. BT.

Land: Steep, rocky, broken to rolling.

Soil: Rocky, sandy loam.

Brush: Sparce blackbrush and sage.

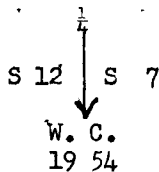
Timber: Scattered juniper, some pinon.

North, Bet. secs. 7 and 12.

Over rocky broken to rolling land.

Descend 80 ft. over rocky NW. slope.

- Chains
3.80 Wash, 30 lks. wide, 3 ft. deep, course S. 50° W., thence ascend 95 ft. over rocky SE. slope.
- 11.25 Thence by triangulation, ascend 1,060 ft.
- 40.00 True point for the $\frac{1}{4}$ sec. cor. of the secs. 7 and 12, falls on an inaccessible ledge, where the monument cannot be perpetuated.
- 40.64 Thence by chaining.
- 41.00 Point for the witness $\frac{1}{4}$ sec. cor. of the secs. 7 and 12.
- Set an iron post, 1 ins. diam., 30 ins. long, 10 ins. in drillhole, and in mound of stone, 2 ft. base to top of post, with brass cap mkd.



from which

A juniper, 14 ins., diam., brs. S. 77 1/4° E., 45 lks. dist., mkd.
'X' BT.

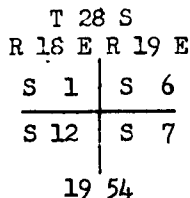
A pinon, 8 ins., diam., brs. S. 75 3/4° W., 59 lks. dist., mkd.
'X' BT.

Cor. is located 45 lks. N. of edge of sandstone cliff, brs. N. 70° E. and S. 65° W.

Thence ascend 45 ft. over broken sandstone through scattered juniper and pinon.

- 46.00 Base of broken sandstone ledge, ascend, abruptly 65 ft. over S. slope.
- 48.00 Top of ledge, thence over rolling, sandy mesa top.
- 48.14 Triangulation station 'Shaft' brs. S. 86° 57' W., 57.79 chs.
- 74.90 Base of sandstone ledge, approx. 20 ft. high, brs. N. 40° W. and S. 40° E.
- 80.00 Point for the sec. cor. of the secs. 1, 6, 7 and 12.

Set an iron post, 2 1/2 ins. diam., 30 ins. long, 20 ins. in the ground, and in mound of stone, 2 1/2 ft. base to top of post, with brass cap mkd.



from which

A juniper, 4 ins., diam., brs. N. 77 1/4° E., 193 lks. dist., mkd.
BT.

A juniper, 10 ins., diam., brs. S. 52 1/2° E., 113 lks. dist., mkd.
BT.

A pinon, 8 ins., diam., brs. S. 48 1/2° W., 248 lks. dist., mkd.
S12 BT.

Chains	<p>A juniper, 16 ins., diam., brs. N. $66^{\circ}3/4^{\circ}$ W., 192 lks. dist., mkd. S1 BT.</p> <p>Triangulation station 'Shaft' brs. S. $58^{\circ}49'$ W., 67.46 chs. dist.</p> <p>Cor. is located on sandy flat, approx. 2.50 chs. E. of sandstone ledge.</p> <p>Land: Broken to rolling. Soil: Rocky to sandy loam, some sandstone outcroppings. Brush: Sparce blackbrush, some sage. Timber: Scattered juniper and pinon.</p>
	<p>North, bet. secs. 1 and 6.</p> <p>Over slight, rolling N. slope of mesa top.</p> <p>Descend 50 ft. to $\frac{1}{4}$ sec. cor., through scattered juniper and pinon.</p>
25.60	Bladed road, brs. N. 50° W. and S. 50° E.
29.38	Triangulation station 'Shaft' brs. S. $41^{\circ}54'$ W.
29.50	Slope changes to NE. (rolling), timber becomes moderately scattered.
40.00	<p>Point for the $\frac{1}{4}$ sec. cor. of the secs. 1 and 6.</p> <p>Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, 22 ins. in the ground, and in mound of stone, 2 ft. base to top of post, with brass cap mkd.</p> <div style="text-align: center;"> <p>S 1 S 6 19 54</p> </div> <p>from which</p> <p>A juniper, 20 ins., diam., brs. N. $79\ 1/2^{\circ}$ E., 53 lks. dist., mkd. $\frac{1}{4}$ S6 BT.</p> <p>A juniper, 12 ins., diam., brs. N. $70\ 3/4^{\circ}$ W., 73 lks. dist., mkd. $\frac{1}{4}$ S1 BT.</p> <p>Cor. is located on gentle NE. slope, approx. 3 chs. W. of a round sandstone boulder, with a flat top, approx. 5 chs. long, and 105 lks. high.</p> <p>Cont. over rolling mesa top, slight NE. slope.</p>
47.10	Wash, 10 lks. wide, 2 ft. deep, course N. 35° W., thence through moderate timber.
62.30	Timber becomes scattered, cont. over rolling sandy mesa top.
66.80	SE. edge of swale, a cone shaped sandstone, approx. 1 ch. high, brs. 2 chs. E. of line.
80.00	<p>Point for the corner of Ts. 27 and 28 S., Rs. 18 and 19 E.</p> <p>Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, 20 ins. in the ground, and in mound of stone, 3 ft. base to top of post, with brass cap mkd.</p>

Chains

T 27 S	
R 18 E R 19 E	
S 36	S 31
S 1	S 6
T 28 S	
19 54	

from which

A juniper, 20 ins., diam., brs. N. 43 3/4° E., 240 lks. dist., mkd.
T27S R19E S31 BT.

A juniper, 24 ins., diam., brs. S. 13 3/4° E., 100 lks. dist., mkd.
T28S R19E S6 BT.

A juniper, 5 ins., diam., brs. S. 29 1/4° W., 321 lks. dist., mkd.
BT.

Cor. is located on very gradual NW. slope at E. edge of grassy swale.

Land: Gentle rolling.

Soil: Sandy.

Brush: Moderate sage, some brigham tea.

Timber: Scattered to moderate juniper and pinon.

North Boundary of T. 28 S., R. 19 E.

Beginning at the cor. of Ts. 27 and 28 S., Rs. 19 and 20 E., which was monumented with an iron post, 2 ins. diam., firmly set, but improperly mkd., with markings nearly obliterated, therefor replaced by an iron post, 2 1/2 ins. diam., 30 ins. long, set at the same point, over 'X' on sandstone bedrock, and in mound of stone 3 1/2 ft. base to top of post with brass cap mkd.

T 27 S	
R 19 E R 20 E	
S 36	S 31
S 1	S 6
T 28 S	
19 26	

West, bet. secs. 1 and 36.

Over rolling to broken land.

Ascend 25 ft. along rolling N. to NE. slope.

10.75 Base of steep, broken (crumbly) E. slope, ascend 140 ft.

14.20 Spur, sloping N. 10° E., approx. 5 chs. to end; cont. to ascend 115 ft. over broken E. to NE. slope.

20.45 Sandstone boulder, 6'x10'x5', (broken) on spur, sloping S. 20° E., approx. 2 chs. thence E., from N. 20° W. thence N. 80° W., cont. to ascend 50 ft. over loose, broken general SE. slope (over head of cove, extending N. 30° E.).

27.75 Spur, sloping N. 70° W. approx. 2 chs. thence N. approx. 12 chs. to end; thence descend 325 ft. over steep, loose, SW. to W. slope to 1/4 sec. cor.

Chains
40.00Point for the $\frac{1}{4}$ sec. cor. of the secs. 1 and 36.Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, 10 ins. in the ground, and in mound of stone, 4 ft. base to top of post, with brass cap mkd.

	S 36
$\frac{1}{4}$	<u>S 1</u>

19 54

Thence over gradual, general SW. slope.

40.30 Wash, 10 lks. wide, 2 ft. deep, course S. 15° W., approx. 3.50 chs. thence S.43.50 Small drain, course S. 20° W.46.20 Wash, 10 lks. wide, 2 ft. deep, course S. 10° W., approx. 3 chs. thence S. 80° W., thence over rolling land.53.00 Wash, 20 lks. wide, 2 ft. deep, course, S. 20° W., approx. 4 chs. thence W.

62.00 Point of spur, from N., approx. 400 ft. high.

76.20 Wash, 10 lks. wide, 3 ft. deep, course S. 35° E.,77.70 Bladed road, brs. N. 10° W., approx. 5 chs. thence N. 35° W., and S. 15° E.

78.00 Enter sandstone bedrock, brs. N. and S.

80.00 Point for the sec. cor. of the secs. 1, 2, 35 and 36.

Set an iron post, 1 ins. diam., 30 ins. long, 12 ins. in drillhole, and in mound of stone, 3 ft. base to top of post, with brass cap mkd.

T 27 S R 19 E

S 35	S 36
S 2	S 1

T 28 S

19 54

Land: Loose, broken to rolling.

Soil: Sandy loam, with some small, loose, broken rock.

Brush: Moderate bunchgrass, sage.

Timber: None.

West, bet. secs. 2 and 35.

Over open, rolling land.

Descend 15 ft. over sandstone, general W. slope.

4.50 E. edge of ravine, brs. N. 5° W. and S. 5° E., heads approx. 10 chs. NW., thence descend 175 ft. over loose, broken W. slope.

8.75 Road in bottom of ravine, drains S., thence ascend 140 ft. over steep, broken E. slope.

12.85 W. edge ravine, brs. N. and S., thence ascend 30 ft. over gentle SE. slope.

Chains

31.35 Base (E. side) small butte, ascend 110 ft. over (N. portion) NE. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of the secs. 2 and 35.

Set an iron post, 2 $\frac{1}{2}$ ins. diam., 30 ins. long, 10 ins. in the ground, and in mound of stone, 4 ft. base to top of post, with brass cap mkd.

S 35

S 2

19 54

Deposit a sandstone, 3"x3"x6", mkd. 'X', alongside of cor.

Cont. to ascend 70 ft. over NE. slope.

47.90 Top of ascent on butte, spur, sloping S. 40° E., approx. 15 chs. to end, from N. 80° W., descend 75 ft. over broken, sandy S. to SW. slope.

57.80 Spur, projecting S., approx. 3 chs. to end.

66.00 Spur, projecting S., approx. 4 chs. to end.

70.45 Wash, 10 lks wide, 2 ft. deep, course S. 30° E., approx. 6 chs. thence S. 65° E., ascend 20 ft. over loose, broken SE. slope.

76.00 Rut road, brs. N. 30° E. and S. 10° W.

80.00 Point for the sec. cor. of the secs. 2, 3, 34 and 35.

Set an iron post, 2 $\frac{1}{2}$ ins. diam., 30 ins. long, 10 ins. in the ground, and in mound of stone, 4 $\frac{1}{2}$ ft. base to top of post, with brass cap mkd.

T 27 S R 19 E

S 34 S 35

S 3 S 2

T 28 S

19 54

Land: Loose, broken to rolling.

Soil: Sandy loam.

Brush: Moderate sage, some tripartite tea and cacti.

Timber: None.

West, bet. secs. 3 and 34.

Over steep, loose, broken land.

Ascend 515 ft. over general SE. slope to $\frac{1}{4}$ sec. cor.

9.50 Slope changes to S. (very Broken).

25.00 Slope changes to SE. (very broken).

40.00 Point for the $\frac{1}{4}$ sec. cor. of the secs. 3 and 34.

Set an iron post, 2 $\frac{1}{2}$ ins. diam., 30 ins. long, 10 ins. in the ground, and in mound of stone, 4 $\frac{1}{2}$ ft. base to top of post, with brass cap mkd.

Chains	<div style="text-align: right;">S 34 S 3 19 54</div>	<div style="text-align: right;">28.15 28.00</div>
42.30	Head of ravine, draining S. 85° E., brs. S. 75° W., 8 chs. dist.	
46.50	Base of sandstone cliff, with vertical ledge approx. 800 ft. high. Thence return to sec. cor. of the secs. 2, 3, 34 and 35, and triangulate to top of sandstone cliff, ascend 1,360 ft. by triangulation.	
68.58	Top of sandstone cliff, and head of cove, extending North approx. 20 chs. and S. 60° E. approx. 60 chs. Thence by chaining, descend 60 ft. over broken sandstone, general W. slope.	
80.00	Point for the sec. cor. of the secs. 3, 4, 33 and 34. Set an iron post, 2½ ins. diam., 30 ins. long, 6 ins. in the ground, and in mound of stone, 4 ft. base to top of post, with brass cap mkd. <div style="text-align: center; margin-top: 10px;">T.27 S R 19 E S 33 S 34 S 4 S 3 T 28 S 19 54</div>	
	Deposit a sandstone, 6"x6"x10", mkd. 'X', alongside of cor. Cor. is located in small glade, extending N. and S. Land: Loose, steep, broken. Soil: Sandy, with some clay. Brush: Sparce sage, some brigham tea and cacti. Timber: Scattered juniper and pinon.	
<hr/>		
	West, bet. secs. 4 and 33. Through canyon, draining SE. By traverse.	
17.50	S. rim of mesa brs. SE. and NW., with vertical ledge approx. 600 ft. high.	
40.00	True point for the ¼ sec. cor. of the secs. 4 and 33, falls at base of inaccessible ledge, approx. 700 ft. high, on S. face of mesa. Point for the witness ¼ sec. cor. of the secs. 4 and 33, 140 lks. N. of true point. Set an iron post, 1 ins. diam., 30 ins. long, 10 ins. in drillhole and in mound of stone, 2 ft. base to top of post, with brass cap mkd. <div style="text-align: right; margin-top: 10px;">N.C. S 33 S 4 19 54</div>	
	Cor. is located 30 lks. N. of extreme edge of S. edge of mesa, brs. E. and W.	

Chains

Thence cont. traverse.

43.73

S. edge of mesa, brs. N. 40° E. and S. 40° W.

Thence by chaining, over low, rolling sandy SE. slope, through moderate juniper and pinon.

61.05

Wash, 10 lks. wide, 2 ft. deep, course SE.

68.33

Low rise, brs. N. and S., thence over rolling W. slope, gradual descent.

78.55

Low, sandy spur, sloping N., approx. 4 chs. to end.

80.00

Point for the sec. cor. of the secs. 4, 5, 32 and 33.

Set an iron post, 2½ ins. diam., 30 ins. long, 20 ins. in the ground, with brass cap mkd.

T 27 S		R 19 E	
S 32		S 33	
S 5		S 4	
T 28 S			
19 54			

from which

A cabin, brs. N. 39° 58' W., 33.66 chs. dist.

Land: Steep, broken, (S. edge mesa, N. edge canyon)

Soil: Sandy, sandy loam, with numerous sandstone outcroppings.

Brush: Sparse sage and cacti.

Timber: Very scattered juniper and pinon.

West, bet. secs. 5 and 32.

Over open grassy land (S. portion of large swale).

Slight descent over W. to NW. slope.

9.00

Slope changes to N.

14.50

Wash, 10 lks wide, 2 ft. deep, course N. 5° W., slight ascent over NE. to E. slope.

32.30

Bladed road, brs. N. 10° E and S. 35° W. (SW. to Grand View Point).

40.00

Point for the sec. cor. of the secs. 5 and 32.

Set an iron post, 2½ ins. diam., 30 ins. long, 20 ins. in the ground, with brass cap mkd.

	S 32
4	—
	S 5
19 54	

Deposit a sandstone, 4"x3"x2" mkd. 'X', alongside of cor.

Cont. over S. portion of swale, ascend 10 ft. over general E. slope.

44.20

Leave open mesa, brs. N. and S., descend 275 ft. over general W. slope through moderate juniper with some pinon to sec. cor.

57.30

Wash, 15 lks. wide, 4 ft. deep, course N. 10° W., approx. 4 chs. thence W.

Chains
74.45

E. edge of 'Trail' Canyon, brs. N. 5° W., approx. 7 chs. thence W. and S. 5° E., approx. 4 chs. thence E., vertical ledge approx. 100 ft. high.

80.00

Point for the sec. cor. of the secs. 5, 6, 31 and 32.

Set an iron post, 1 ins. diam., 30 ins. long, 10 ins. in drillhole and in mound of stone, 2 ft. base to top of post, with brass cap mkd.

T 27 S R 19 E

S 31 | S 32

S 6 | S 5

T 28 S

19 54

(Note: A 75 ft. rope will be necessary to reach this cor.)

Land: Moderately steep W. slope.

Soil: Sandy loam, with some sandstone outcroppings.

Brush: Moderate sage, some cacti.

Timber: Moderate to scattered juniper and pinon.

West, bet. secs. 6 and 31.

Through 'Trail' Canyon.

Ascend 40 ft. over broken SE. sandstone slope.

3.40

Low spur, sloping S. 5° W., approx. 3 chs. to end, thence descend 360 ft. over broken, loose, general W. slope.

20.45

Wash, in bottom of 'Trail' Canyon, 30 lks wide, 5 ft. deep, course N. 80° W., approx. 6 chs. thence N. 10° W., ascend 220 ft. over broken NE. slope.

33.80

Base of ledge, brs. N. and S., ascend 100 ft. over sheer E. face of ledge.

35.50

Top of ledge, projecting N., approx. 150 lks to end; descend 100 ft. over W. face of ledge.

37.20

Base of ledge, brs. N. and S., thence descend 50 ft. over general W. slope through moderate juniper and pinon to $\frac{1}{4}$ sec. cor.

40.00

Point for the $\frac{1}{4}$ sec. cor. of the secs. 6 and 31.

Set an iron post, 1 ins. diam., 30 ins. long, 10 ins. in drillhole and in mound of stone, 3 ft. base to top of post, with brass cap mkd.

S 31

$\frac{1}{4}$

S 6

19 54

Cont. to descend 45 ft. over general W. slope.

49.70

Wash, 40 lks. wide, 10 ft. deep, course N., approx. 10 chs. thence N. 40° W., ascend 705 ft. over steep, broken sandstone E. slope.

62.60

W. edge of 'Trail' Canyon, brs. N. and S., cont. to ascend 45 ft. over general E. slope.

64.50

Enter heavy timber.

Chains

75.00

Leave timber, enter open, grassey land.

78.50

The cor. of Ts. 27 and 28 S., Rs. 18 and 19 E.

Land: Steep, rough, broken (through 'Trail' Canyon).

Soil: Sandy, with sandstone bedrock.

Brush: Sparce sage.

Timber: Scattered to heavy juniper and pinon.

Partial Subdivision of T. 28 S., R. 19 E.

Beginning at the true cor. point of the secs. 1, 2, 35 and 36, Ts. 28 and 29 S., R. 19 E.

N. 0° 01' W., bet. secs. 35 and 36.

Along 'White' Rim.

Descend 70 ft. to $\frac{1}{4}$ sec. cor.

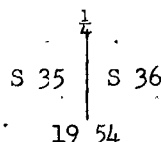
16.00

S. edge of draw, brs. E. and W., approx. 100 ft. high.

22.00

N. edge of draw, brs. E. and W.

40.00

Point for the $\frac{1}{4}$ sec. cor. of the secs. 35 and 36.Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, 15 ins. in the ground, and in mound of stone, 3 ft. base to top of post, with brass cap mkd.

from which

A brown sandstone boulder, 8'x6'x3', brs. S. 74° 10' W., 91 lks. dist., mkd. BXQ.

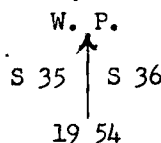
Thence descend 505 ft. to witness sec. cor., over sandstone ledges, general NE. slope.

55.70

Small ravine, drains N. 20° W.

64.67

Set an iron post, 1 ins. diam., 30 ins. long, 10 ins. in drillhole and in mound of stone, 2 ft. base to top of post, with brass cap mkd.



Cont. over steep, rocky, general N. slope.

70.50

Point for the witness sec. cor. of the secs. 25, 26, 35 and 36.

Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, over 'X' on sandstone bedrock, and in mound of stone, 3 ft. base to top of post, with brass cap mkd.

Chains

T. 28 S R 19 E

W. C.

S 26	↑	S 25
S 35		S 36

19 54

Deposit a sandstone, 1'x10"x1', mkd. 'X', alongside of cor.

Cor. is located on sandstone bench, on E. side of a draw.

79.00 Bottom of draw, drains N. 40° E.

80.00 True point for the sec. cor. of the secs. 25, 26, 35 and 36, falls in bottom of draw, where the monument cannot be perpetuated.

Land: Sloping to broken.

Soil: Sandy, with sandstone bedrock.

Brush: None.

Timber: None.

East, bet. secs. 25 and 36.

Over rough, broken rims and ledges, general drainage to NW.

1.00 Draw, drains N. 40° E.; ascend over broken rims and ledges.

24.00 Leave broken rims and ledges, descend 85 ft. over gradual NE. slope of sandstone bench.

37.80 Broken sandstone ledge, 20 ft. high, brs. N. 20° E. and S. 20° W.

40.00 Point for the 1/4 sec. cor. of the secs. 25 and 36.

Set an iron post, 1 ins. diam., 30 ins. long, 10 ins. in drillhole and in mound of stone, 3 ft. base to top of post, with brass cap mkd.

S 25

1/4

S 36

19 54

Deposit a sandstone, 14"x6"x4", mkd. 'X', alongside of cor.

Cont. to descend 25 ft. over sandstone bench, general NE. slope.

49.80 Leave sandstone bench, descend 515 ft. to witness meander cor., over broken sandstone ledges, general E. slope.

55.50 Small ravine, drains S. 60° E.

60.00 General slope changes to SE.

76.33 Point for the witness meander cor. of secs. 25 and 36.

Set an iron post, 2 1/2 ins. diam., 30 ins. long, 20 ins. in the ground, and in mound of stone, 3 ft. base to top of post, with brass cap mkd.

T 28 S

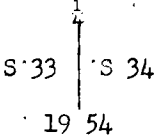
R 19 E

S 25

S 36

W.M.C.

19 54

Chains 76.66	<p>Mean high water mark on the right bank of the Colorado River, brs. N. 10° E. and S.</p> <p>True point for the meander cor. of secs. 25 and 36, falls on loose bank, where the monumente cannot be perpetuated.</p> <p>Land: Steep, broken with sandstone ledges. Soil: Rocky, sandy. Brush: None. Timber: None.</p>
	<p>From the sec. cor. of the secs. 3, 4, 33 and 34, T_s. 28 and 29 S., R. 19 E.</p> <p>N. 0° 02' W., bet. secs. 33 and 34.</p> <p>Over rolling to broken land.</p> <p>Descend 15 ft. along SW. slope.</p>
3.30	Small wash, course S. 50° W., (heads 5 chs. NE.) ascend 450 ft. over steep, rocky S. slope, with numerous ledges.
21.00	Leave sandstone ledges, thence over rolling benchland.
28.00	Leave benchland, descend 235 ft. to $\frac{1}{4}$ sec. cor. over rocky NE. slope.
31.30	Small ravine; drains E.
35.60	Rocky spur, sloping N. 60° E., cont. to descend NE. slope.
39.40	Top of sandstone ledge, 15 ft. high, brs. S. 60° E. and W.
40.00	<p>Point for the $\frac{1}{4}$ sec. cor. of the secs. 33 and 34.</p> <p>Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, 10 ins. in the ground, and in mound of stone, $3\frac{1}{2}$ ft. base to top of post, with brass cap mkd.</p> <div style="text-align: center;"> $\frac{1}{4}$  S 33 S 34 19 54 </div> <p>from which</p> <p>A juniper, 8 ins., diam., brs. N. 12$\frac{1}{2}$° E., 20 lks. dist., mkd. BT.</p> <p>Thence descend 430 ft. over general NW. slope to sec. cor.</p>
44.60	Small ravine, drains N. 50° E.
47.50	Spur, sloping N. 35° E.
63.00	Base of spur, thence over low rolling land, cont. to descend over general NW. slope.
78.90	Graded road, brs. N. 35° W. and S. 35° E.
80.00	<p>Point for the sec. cor. of the secs. 27, 28, 33 and 34.</p> <p>Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long; 20 ins. in the ground, and in mound of stone, 3 ft. base to top of post, with brass cap mkd.</p>

Chains

T 28 S R 19 E

S 28 | S 27

S 33 | S 34

19 54

from which

A juniper, 10 ins., diam., brs. S. $7\frac{3}{4}^{\circ}$ W., 393 lks. dist., mkd.
S33 BT.

A juniper, 12 ins., diam., brs. N. 87° W., 215 lks. dist., mkd.
S28 BT.

Cor. is located on W. edge of sandstone bedrock.

Land: Steep, broken.

Soil: Rocky, sandy loam.

Brush: Moderate sage, some brigham tea.

Timber: Scattered juniper, some pinon.

N. $0^{\circ} 02'$ W., bet. secs. 27 and 28.

Over sloping to broken land.

Descend 20 ft. over gradual N. slope.

12.63 S. edge of canyon, brs. E. and W., approx. 300 ft. deep.

Thence by triangulation.

22.85 N. rim of canyon, brs. N. 30° W. and N. 30° E.

Thence by chaining, ascend 200 ft. to $\frac{1}{4}$ sec. cor., over gradual S. slope.

29.60 Graded road, brs. N. 65° E. and S. 65° W.

32.10 Leave gradual S. slope, ascend steep, rocky, general S. slope over sandstone ledges.

40.00 Point for the $\frac{1}{4}$ sec. cor. of the secs. 27 and 28.

Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, 10 ins. in the ground, and in mound of stone, 3 ft. base to top of post, with brass cap mkd.

S 28 | S 27

19 54

Deposit a sandstone, 4"x4"x2", mkd. 'X', alongside of cor.

Cor. is located on E. edge of broken sandstone outcropping.

Cont. to ascend 300 ft. over broken sandstone ledges, general S. slope.

60.50 S. edge (top) flat spur, sloping E., thence over top of spur.

63.70 Leave spur top, descend 330 ft. over rocky N. to NW. slope to sec. cor.

74.90 Sandstone ledge, 10 ft. high, brs. E. and W.

Chains
80.00

Point for the sec. cor. of the secs. 21, 22, 27 and 28.

Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, 10 ins. in the ground, and in mound of stone, 3 ft. base to top of post, with brass cap mkd.

T 28 S R 19 E
S 21 | S 22
S 28 | S 27
19 54

Deposit a sandstone, 8"x5"x3", mkd. 'X', alongside of cor.

Land: Rough, broken.

Soil: Rocky, sandy, with sandstone bedrock.

Brush: Sparce sage.

Timber: None.

N. $0^{\circ} 02'$ W., bet. secs. 21 and 22.

Over broken to rolling land.

Ascend 45 ft. over rocky SW. slope.

0.40 Small wash, (in ravine) course N. 50° W.

6.20 Spur, sloping N. 60° W., thence descend 295 ft. to $\frac{1}{4}$ sec. cor., over general NE. slope.

11.30 Broken sandstone ledge, brs. NW. and SE., thence abrupt descent.

29.00 Base of ledge, thence over low rolling land.

30.30 Graded road, brs. N. 80° E. and S. 80° W.

40.00 Point for the $\frac{1}{4}$ sec. cor. of the secs. 21 and 22.

Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, 15 ins. in the ground, and in mound of stone, 2 ft. base to top of post, with brass cap mkd.

$\frac{1}{4}$
S 21 | S 22
19 54

from which

A juniper, 18 ins., diam., brs. N. $14\frac{1}{2}^{\circ}$ W., 368 lks. dist., mkd.
 $\frac{1}{4}$ S21 BT.

Cont. to descend 30 ft. over gradual, sandy N. slope.

47.00 Enter sandstone bedrock.

50.33 S. edge of canyon, brs. N. 40° E. and S. 40° W., approx. 250 ft. deep.

Thence by triangulation.

80.00 True point for the sec. cor. of the secs. 15, 16, 21 and 22, falls in canyon, where the monument cannot be perpetuated.

Chains

Land: Moderately steep, broken.
 Soil: Sandy, with sandstone bedrock.
 Brush: Sparce sage, some cacti.
 Timber: Very scattered juniper.

From the true point for cor. of secs. 15, 16, 21, and 22.
 N. $0^{\circ} 02'$ W., bet. secs. 15 and 16.

Over rolling land.

By triangulation.

4.50
 13.00

Draw, drains SE.
 N. edge of canyon, brs. NW. and SE.

Set an iron post, 1 ins. diam., 30 ins. long, 10 ins. in drillhole and in mound of stone, 3 ft. base to top of post, with brass cap mkd.

W. P.
 S 16 ↓ S 15
 19 54

Thence ascend 105 ft. over gradual S. slope, with some sandstone outcroppings.

15.30

Graded road, brs. N. 15° W. and S. 75° W.

33.80

Top of ascent on E. point of spur, descend 205 ft. over broken, rocky NE. slope to $\frac{1}{4}$ sec. cor.

36.70

Base of spur, thence over sandstone bedrock.

40.00

Point for the $\frac{1}{4}$ sec. cor. of the secs. 15 and 16.

Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, 10 ins. in the ground, and in mound of stone, 3 ft. base to top of post, with brass cap mkd.

S 16 ↑ S 15
 19 54

from which

A juniper, 16 ins., diam., brs. N. $61\frac{3}{4}^{\circ}$ E., 274 lks. dist., mkd. $\frac{1}{4}$ S15 BT.

Thence cont. to descend 50 ft. over gradual sandstone slope, general NE. slope, through scattered juniper.

70.00

Point for the witness sec. cor. of the secs. 9, 10, 15 and 16.

Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, over 'X' on sandstone bedrock, and in mound of stone, 4 ft. base to top of post, with brass cap mkd.

T 28 S R 19 E
 W: C.
 S 9 ↑ S 10
 S 16 | S 15
 19 54

Chains	from which
.	A juniper, 16 ins., diam., brs. S. 30° E., 60 lks. dist., mkd. 'X' BT.
.	A juniper, 24 ins., diam., brs. S. 6° W., 58 lks. dist., mkd. 'X' BT.
70.38	S. edge of canyon, brs. NW. and SE., approx. 200 ft. deep. Thence by triangulation, no descent.
80.00	True point for the sec. cor. of the secs. 9, 10, 15 and 16, falls in canyon, where the monument cannot be perpetuated. Land: Rolling, moderately steep. Soil: Sandy, with sandstone bedrock. Brush: Sparse sage, some cacti. Timber: Scattered juniper.
<hr/>	
	N. 0° 02' W., bet. secs. 9 and 10. Over rolling to broken land. By triangulation.
13.50	Bottom of canyon, drains SE.
21.71	N. edge of canyon, brs. N. 30° W. and S. 30° E. Thence by chaining, ascend 110 ft. over general SW. slope to $\frac{1}{4}$ sec. cor.
23.60	Graded road, brs. N. 40° W. and S. 50° E., ascend steep, rocky SW. slope.
38.10	Broken sandstone ledge, brs. NW. and SE., approx. 10 ft. high.
40.00	Point for the $\frac{1}{4}$ sec. cor. of the secs. 9 and 10. Set an iron post, 2 $\frac{1}{2}$ ins. diam., 30 ins. long, 15 ins. in the ground, and in mound of stone, 4 ft. base to top of post, with brass cap mkd.
	<div style="text-align: center;"> $\begin{array}{c} 1 \\ \uparrow \\ \text{S } 9 \quad \quad \text{S } 10 \\ \downarrow \\ 19 \quad 54 \end{array}$ </div>
	Deposit a sandstone, 5"x4"x1", mkd. 'X', alongside of cor. Cont. to ascend 85 ft. over broken SW. slope.
42.60	Top of ascent on broken sandstone spur, sloping S. 40° E., thence descend 150 ft. over broken NE. slope.
51.50	Head of wash, course E., thence ascend 135 ft. over rocky SW. slope.
55.70	Broken sandstone spur, sloping S. 30° E., descend 235 ft. over broken rocky NE. slope.
70.30	Wash, 30 lks. wide, 2 ft. deep, course N. 60° E., ascend 35 ft. over general SW. slope.
73.60	E. point of low spur, sloping S. 75° E., descend 55 ft. over NE. slope to witness sec. cor.

Chains

79.00

Wash, 35 lks. wide, 3 ft. deep, course S. 35° E.

79.50

Point for the witness sec. cor. of the secs, 3, 4, 9 and 10.

Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, 20 ins. in the ground, and in mound of stone, 3 ft. base to top of post, with brass cap mkd.

T 28 S R 19 E

W. C.

S	4	↑	S	3
S	9		S	10

19 54

from which

A juniper, 6 ins., diam., brs. N. 35½° E., 187 lks. dist., mkd.
'X' BT.

A juniper, 12 ins., diam., brs. N. 84° W., 256 lks. dist., mkd.
'X' BT.

80.00

True point for the sec. cor. of the secs. 3, 4, 9 and 10 falls in bladed road, which brs. S. 35° E. and W., where the monument cannot be perpetuated.

Land: Rolling to broken.

Soil: Sandy loam.

Brush: Moderate sage, some cacti.

Timber: Scattered juniper.

N. 0° 10' W., bet. secs. 3 and 4.

Over rough, broken rims and ledges. By triangulation, ascend 1,340 ft.

40.00

True point for $\frac{1}{4}$ sec. cor. secs. 3 and 4, falls on steep SW. face of mesa rim where a monument cannot be set.

45.31

Point for the witness $\frac{1}{4}$ sec. cor. of the secs. 3 and 4.

Set an iron post, 1 ins. diam., 30 ins. long, 10 ins. in drillhole and in mound of stone, 3 ft. base to top of post, with brass cap mkd.

S	4	↓	S	3
W. C.				
19 54				

Cor. is located 10 lks. N. of vertical ledge, approx. 500 ft. high, brs. N. 70° W. and S. 70° E.

Thence by chaining, over near level land of lower ledge.

49.20

Leave near level land, cont. over W. slope of talus slope.

68.80

Leave talus slope, ascend 260 ft. over SW. face of vertical ledge.

75.60

Top of vertical ledge, brs. NW. to W. and SE., thence over sandstone bedrock.

78.70

Enter glade.

Chains-
79.88

The cor. of the secs. 3, 4, 33 and 34, Ts. 27 and 28 S., R. 19 E.

Land: Rough, broken rims and ledges.
Soil: Sandy, rocky, with sandstone bedrock.
Brush: Sparce sage.
Timber: Scattered juniper.

From the sec. cor. of the secs. 1, 2, 35 and 36, Ts. 27 and 28 S., R. 19 E.

S. 0° 01' E., bet. secs. 1 and 2.

Over broken, rocky land.

Descend 215 ft. to witness 1/4 sec. cor.

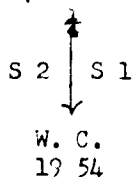
5.80 Edge of wide, flat, deep wash, brs. N. 5° W. and S. 5° E., with a vertical ledge approx. 60 ft. high.

14. 10 Road in bottom of wash, brs. NW. and SE., wash, drains SE.

28.70 Wash, drains SE.; ascend steep, rocky NE. slope.

34.86 Point for the witness 1/4 sec. cor. of the secs. 1 and 2.

Set an iron post, 2 1/2 ins. diam., 30 ins. long, 10 ins. in the ground, and in mound of stone, 3 ft. base to top of post, with brass cap mkd.



Cor. is located 2 chs. W. of road in wash.

39.96 True point for the 1/4 sec. cor. of the secs. 1 and 2, falls on steep loose NE. slope of wash, where the monument cannot be perpetuated.

Cont. to ascend 45 ft. over general NE. slope.

51.00 Edge of wash, brs. NW. and SE.

54.30 N. edge of deep, broken ravine, brs. S. 80° W., approx. 8 chs. thence S. and E. approx. 2 chs. thence N., descend broken, rocky S. slope.

62.00 Base of rocky, broken slope, 60 ft. below rim, thence over rocky sandstone bench.

73.00 Leave sandstone bench, brs. S. 60° E. and S. 45° W., thence descend 50 ft. over general S. slope to sec. cor.

79.96 Point for the sec. cor. of the secs. 1, 2, 11 and 12.

Set an iron post, 2 1/2 ins. diam., 30 ins. long, 15 ins. in the ground, and in mound of stone, 3 ft. base to top of post, with brass cap mkd.

T 28 S R 19 E

S 2	S 1
S 11	S 12

Chains	<p>Deposit a sandstone, 1'x9"x2", mkd. 'X', alongside of cor.</p> <p>Land: Broken, rocky. Soil: Sandy, with sandstone bedrock. Brush: None. Timber: None.</p>
	<p>N. 89° 58' W., bet. secs. 2 and 11.</p> <p>Over rough, broken rims and ledges, to rolling land.</p>
12.00	By triangulation, ascend 300 ft., Wash, drains SE.
23.10	Rim brs. N. 30° E. and S. 35° W., leave rough, broken land, enter near level land, over sandstone bedrock.
32.00	Leave sandstone bedrock, cont. over low rolling land.
37.18	Set an iron post, 1 ins. diam., 30 ins. long, 10 ins. in drillhole and in mound of stone, 2 ft. base to top of post, with brass cap mkd.
	<p style="text-align: center;">S 2 W.P. ——— S 11 19 54</p>
37.60	Graded road, brs. N. 30° E. and S. 50° W.
40.00	Point for the $\frac{1}{4}$ sec. cor. of the secs. 2 and 11.
	<p style="text-align: center;">S 2 $\frac{1}{4}$ ——— S 11 19 54</p>
	<p>Deposit a sandstone, 9"x8"x2", mkd. 'X', alongside of cor.</p>
44.60	Wash, 20 lks. wide, 1 ft. deep, course S. 40° E.
56.90	Leave low rolling land, ascend 240 ft. over rocky E. slope.
59.50	Enter broken sandstone ledges.
78.50	Small sandstone spur, sloping S., approx. 8 chs. to end.
79.00	Top of ascent on broken sandstone ledge, brs. N. and S., approx. 30 ft. high, descend; abruptly 40 ft. over W. slope to sec. cor.
80.00	Point for the sec. cor. of the secs. 2, 3, 10 and 11.
	<p>Set an iron post, 2$\frac{1}{2}$ ins. diam., 30 ins. long, over 'X' on sandstone bedrock, and in mound of stone, 3$\frac{1}{2}$ ft. base to top of post, with brass cap mkd.</p>
	<p style="text-align: center;">T 28 S R 19 E S 3 S 2 S 10 S 11 19 54</p>
	<p>Deposit a sandstone, 9"x7"x2", mkd. 'X', alongside of cor.</p>

Chains

Land: Rough, broken to rolling.
Soil: Sandy, with sandstone bedrock.
Brush: None.
Timber: None.

N. 0° 02' W., bet. secs. 2 and 3.

Over broken to rolling land.

Ascend 1,235 ft. over loose, broken talus slope, general S. slope.

31.00 High point of ascent on spur, projecting S. 40° E., approx. 15 chs. to end, thence across flat top of spur.

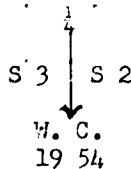
35.50 Leave spur, top, vertical ledge approx. 500 ft. high, descend 1,035 ft. over loose, broken talus slope to witness $\frac{1}{4}$ sec. cor., general NE. slope.

40.00 True point for the $\frac{1}{4}$ sec. cor. of the secs. 2 and 3, falls on steep, loose, broken talus slope, where the monument cannot be perpetuated.

49.50 Base of descent at bottom of talus slope, brs. NW. and SE.

50.00 Point for the witness $\frac{1}{4}$ sec. cor. of the secs. 2 and 3.

Set an iron post, 2 $\frac{1}{2}$ ins. diam., 30 ins. long, 15 ins. in the ground, and in mound of stone, 4 ft. base to top of post, with brass cap mkd.



Cont to descend 80 ft. over series of washes and short spurs, sloping and draining NE.

68.00 End of series of spurs and washes.

68.30 Graded road, brs. E. and NW., thence descend 55 ft. over general N. slope.

70.00 Wash, 30 lks. wide, 3 ft. deep, course E., ascend 60 ft. over rocky, broken, general S. slope.

80.00 The cor. of secs. 2, 3, 34 and 35, Ts. 27 and 28 S., R. 19 E.

Land: Steep, broken.
Soil: Loose packed sandy clay, rocky.
Brush: None.
Timber: None.

From the cor. of secs. 15, 16, 21 and 22.

West, bet. secs. 16 and 21.

Ascend 200 ft. through canyon, general E. slope.

9.80 W. (portion) rim of canyon, brs. N. 15° E. and S. 15° E., returning to SW.

Chains
10.00

Point for the witness sec. cor. of the secs. 15, 16, 21 and 22.

Set an iron post, 1 ins. diam., 30 ins. long, 10 ins. in drillhole and in mound of stone, $3\frac{1}{2}$ ft. base to top of post, with brass cap mkd.

T 28 S R 19 E

S 16	S 15
S 21	S 22

W.C.

19 54

from which

A juniper, 8 ins., diam., brs. N. $8\frac{3}{4}^{\circ}$ E., 228 lks. dist., mkd.
'X' BT.A juniper, 12 ins., diam., brs. S. 63° W., 175 lks. dist., mkd.
'X' BT.Thence ascend 55 ft. over general E. slope to $\frac{1}{4}$ sec. cor., over sandstone bedrock.

20.00 Leave sandstone bedrock, thence over sandy land, through scattered juniper.

26.80 Graded road, brs. N. and S.

38.80 Small wash, drains N. 75° E.40.00 Point for the $\frac{1}{4}$ sec. cor. of the secs. 16 and 21.Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, 20 ins. in the ground, and in mound of stone, 3 ft. base to top of post, with brass cap mkd.

$\frac{1}{4}$	S 16
	S 21

19 54

from which

A juniper, 8 ins., diam., brs. S. $83\frac{1}{4}^{\circ}$ W., 305 lks. dist., mkd.
BT.A juniper, 10 ins., diam., brs. N. $80\frac{1}{4}^{\circ}$ W., 295 lks. dist., mkd.
 $\frac{1}{4}$ S16 BT.

Thence ascend 245 ft. over general E. slope to sec. cor.

43.10 Same wash, course S. 80° E.

54.10 Top of broken sandstone ledge, 20 ft. high, brs. N. and S., slope changes to NE.

80.00 Point for the sec. cor. of the secs. 16, 17, 20 and 21.

Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, 15 ins. in the ground, and in mound of stone, 3 ft. base to top of post, with brass cap mkd.

T 28 S R 19 E

S 17	S 16
S 20	S 21

19 54

Chains

from which

A juniper, 12 ins., diam., brs. N. 29° E., 115 lks. dist., mkd. BT.

A juniper, 6 ins., diam., brs. S. 26 3/4° E., 184 lks. dist., mkd. BT.

A juniper, 12 ins., diam., brs. S. 67 3/4° W., 185 lks. dist., mkd. S20 BT.

A juniper, 10 ins., diam., brs. N. 53 3/4° W., 112 lks. dist., mkd. S17 BT.

Cor. is located on moderate broken, rocky NE. slope.

Land: Broken to rolling.

Soil: Sandy, with sandstone bedrock.

Brush: Moderate sage, some cacti.

Timber: Scattered juniper.

N. 0° 03' W., bet. secs. 16 and 17.

Over rough broken to rolling land.

Descend 95 ft. over broken NE. slope, through scattered juniper.

10.00 Wash, 15 lks. wide, 2 ft. deep, course N. 65° E., ascend 40 ft. over general SE. slope.

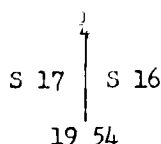
15.50 Low spur, sloping S. 60° E., thence descend 30 ft. over NE. slope.

19.10 Small wash, drains S. 40° E., ascend 300 ft. over steep, broken, rocky, general SE. slope.

37.20 S. rim of flat top spur, sloping E.

40.00 Point for the 1/4 sec. cor. of the secs. 16 and 17.

Set an iron post, 2 1/2 ins. diam., 30 ins. long, 8 ins. in the ground, and in mound of stone, 3 ft. base to top of post, with brass cap mkd.



from which

A juniper, 12 ins., diam., brs. N. 77° E., 53 lks. dist., mkd. S16 BT.

40.60 N. rim of flat spur, descend 425 ft. over broken, rocky NW. slope.

65.70 Junction of washes, course N. 60° E., from S. 20° W. and S. 60° W., ascend 60 ft. over SE. slope, over series of small broken spurs.

78.30 Top of ascent on small spur, sloping S. 40° E., thence descend 25 ft. over N. slope.

80.00 True point for the sec. cor. of the secs. 8, 9, 16 and 17, falls in wash, (in ravine) draining SE., where the monument cannot be perpetuated.

80.20 Point for the witness sec. cor. of the secs. 8, 9, 16 and 17.

Chains

Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, 10 ins. in the ground, and in mound of stone, 4 ft. base to top of post, with brass cap mkd.

T 28 S R 19 E

S 8	S 9
-----	-----

S 17	S 16
------	------

W. C.

19 54

Land: Broken, rocky.

Soil: Sandy, with sandstone bedrock.

Brush: Moderate sage.

Timber: Scattered juniper.

From the true point for cor. of secs. 9, 10, 15 and 16.

N. $89^{\circ} 57'$ W., bet. secs. 9 and 16.

Over rolling to broken land.

Ascend 200 ft. over broken, general NE. slope.

15.00 Rim, brs. N. 40° W. and S. 40° E., thence over sandstone bedrock, general NE. slope, gradual ascent.

23.60 E. edge of cove, brs. N. to NE,

26.90 W. edge of cove, brs. N. 20° E., cont. over low rolling land.

34.30 Graded road, brs. N. 35° W. and S. 35° E.

36.60 NE. point of spur, leave sandstone bedrock, descend 35 ft. over NW. slope.

40.01 Point for the $\frac{1}{4}$ sec. cor. of the secs. 9 and 16.

Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, 20 ins. in the ground, and in mound of stone, 3 ft. base to top of post, with brass cap mkd.

S 9

 $\frac{1}{4}$

S 16

19 54

from which

A juniper, 8 ins., diam., brs. S. $4\frac{3}{4}^{\circ}$ W., 179 lks. dist., mkd.
 $\frac{1}{4}$ S16 BT.

A juniper, 8 ins., diam., brs. N. $22\frac{1}{4}^{\circ}$ W., 350 lks. dist., mkd.
 $\frac{1}{4}$ S9 BT.

Thence descend 40 ft. over broken, general W. slope.

40.60 Wash, 40 lks. wide, 2 ft. deep, course N. 60° E.

58.50 Leave low rolling land, ascend 170 ft. over series of spurs, washes, sloping and draining S.

76.40 End of series of spurs and washes, thence descend 75 ft. over steep, rocky W. slope.

Chains

80.02

True point for cor. of secs. 8, 9, 16, and 17.

Land: Rolling to broken, moderately steep.

Soil: Sandy.

Brush: Moderate sage.

Timber: Scattered juniper.

From the cor. of secs. 4, 5, 32, and 33, on the south boundary of the township.

N. $0^{\circ} 03'$ W., bet. secs. 32 and 33.

By triangulation, ascend 1,090 ft. over loose, broken talus slope, general S. slope.

1.20 Small wash, course S. 45° E., approx. 2 chs. thence S. 30° E.

9.90 Bladed road, brs. N. 45° W. and S. 60° E.

27.60 S. rim of Grand River Point, brs. N. 70° W. and S. 70° E.

Thence by chaining, over nearly level land.

39.25 Point for the witness $\frac{1}{4}$ sec. cor. of the secs. 32 and 33.

Set an iron post, 1 in. diam., 30 ins. long, 10 ins. in drill hole and in mound of stone, 2 ft. base to top of post, with brass cap mkd.

$\frac{1}{4}$
W. C.

S 32 \uparrow S 33

19 54

39.60 N. rim of Grand River Point, brs. N. 65° W. and S. 70° E.

Thence by triangulation, descend 1,150 ft. to sec. cor., over broken talus slope, general NE. slope.

40.00 True point for the $\frac{1}{4}$ sec. cor. of the secs. 32 and 33, falls on loose, broken talus slope, where the monument cannot be perpetuated.

80.00 Point for the sec. cor. of the secs. 28, 29, 32, and 33.

Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, over 'X' on sandstone bedrock, and in mound of stone, $4\frac{1}{2}$ ft. base to top of post, with brass cap mkd.

T 28 S R 19 E

S 29 | S 28

S 32 | S 33

19 54

from which

A juniper, 12 ins. diam., brs. N. 39° E., 103 lks. dist., mkd. S28 BT.

A juniper, 18 ins. diam., brs. S. 30° W., 125 lks. dist., mkd. T28S R19E S32 BT.

A juniper, 10 ins. diam., brs. N. $3\frac{1}{4}^{\circ}$ W., 38 lks. dist., mkd. S29BT.

Cor. is located on a gradual SE. slope.

Chains

Land: Steep, broken talus slope, over E. portion of Grand River Point
 Soil: Sandy clay, with sandstone bedrock.
 Brush: None.
 Timber: Very scattered juniper.

From the cor. of secs. 5, 6, 31, and 32, on the south boundary of the township.

N. $0^{\circ} 03'$ W., bet. secs. 31 and 32.

Over rough, broken land, through Murphy range.

Ascend 200 ft. along general W. slope.

0.15 Rut road, brs. NE. and SW.

14.50 S. edge (head) of deep, rocky ravine, brs. E. and W., approx. 100 ft. deep.

26.50 Wash, in bottom of ravine, drains W.

29.00 N. edge of ravine, brs. E. and W.

31.70 Same road, brs. N. 55° W. and SE.

33.00 Point for the witness $\frac{1}{4}$ sec. cor. of the secs. 31 and 32.

Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, 15 ins. in the ground, and in mound of stone, 4 ft. base to top of post, with brass cap mkd.

$\frac{1}{4}$
 W. C.
 S 31 \uparrow S 32
 19 54

from which

A juniper, 10 ins. diam., brs. S. $23\frac{1}{4}^{\circ}$ E., 25 lks. dist., mkd. 'X' BT.

A juniper, 16 ins. diam., brs. N. $55\frac{1}{2}^{\circ}$ W., 227 lks. dist., mkd. 'X' BT.

Thence by triangulation, ascend 830 ft. over broken talus slope, general S. slope.

35.60 Bladed road, brs. S. 40° E. and N. to W.

40.00 True point for the $\frac{1}{4}$ sec. cor. of secs. 31 and 32, falls on steep broken slope where the monument cannot be perpetuated.

48.58 S. rim of Grand River Point, brs. W. to NW. and S. 70° E., with vertical ledge approx. 400 ft. high, thence across nearly level land.

77.30 Point for the witness sec. cor. of the secs. 29, 30, 31, and 32.

Set an iron post, 1 in. diam., 30 ins. long, 12 ins. in drillhole, and in mound of stone, 2 ft. base to top of post, with brass cap mkd.

W. C.
 T 28 S R 19 E
 S 30 \uparrow S 29
 S 31 \uparrow S 32
 19 54

Chains

80.00

True point for the sec. cor. of the secs. 29, 30, 31, and 32, falls on abrupt N. face of talus slope, near base of 800 ft. rim, brs. N. 40° E. and W.

Land: Steep, rough, broken to nearly level.

Soil: Sandy clay, with sandstone bedrock.

Brush: None.

Timber: None.

From the cor. of secs. 28, 29, 32, and 33.

N. 89° 58' W., bet. secs. 29 and 32.

By triangulation, ascend 1,165 ft. over rough, broken land, general E. (Talus) slope.

28.50

E. rim of Grand River Point, brs. N. 15° E. and S. 15° W., with a vertical ledge approx. 500 ft. high.

Thence by chaining, ascend 35 ft. over low rolling land, general E. slope.

39.99

Point for the $\frac{1}{4}$ sec. cor. of the secs. 29 and 32.

Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, 18 ins. in the ground, and in mound of stone, 2 ft. base to top of post, with brass cap mkd.

S 29

$\frac{1}{4}$

S 32

19 54

from which

A pinon, 10 ins. diam., brs. S. 75° E., 49 lks. dist., mkd. BT.

A juniper, 8 ins. diam., brs. N. 25° W., 168 lks. dist., mkd. $\frac{1}{4}$ S29 BT.

Deposit broken glass alongside of cor.

40.90

Rut road, brs. N. and S., thence descend 60 ft. over general W. slope, through dense juniper and pinon.

69.00

W. rim of Grand River Point, brs. NE. and SW., with a vertical ledge approx. 400 ft. high.

79.98

True point for cor. of secs. 29, 30, 31, and 32.

Land: Steep, rough, broken to rolling.

Soil: Loose packed sand and sandy clay.

Brush: None.

Timber: Dense juniper and pinon, W. portion, top of mesa.

Meanders of Right Bank of Colorado River in Sec. 36

From the true point for the meander cor. of secs. 31 and 36, on the east boundary of the township, at 14.49 chs. north of the cor. of Ts. 28 and 29 S., Rs. 19 and 20 E., and 0.47 ch. north of the witness meander corner, an iron post, set, marked and witnessed as described in the official record.

Thence upstream with the meanders of the right bank, in sec. 36, along a high vertical bluff.

N. 20° 00' W., 7.30 chs.

N. 3° 00' W., 20.00 chs. At 13.50 chs. on course, leave bluff; thence across mouth of draw:

At 17.00 chs. on course, mouth of draw from S. 80° W.

N. 11° 00' W., 7.10 chs. At 2.00 chs. on course, leave mouth of draw, thence along high vertical bluff.

N. 2° 00' E., 6.00 chs.

N. 7° 45' E., 7.60 chs. At 2.00 chs. on course, leave bluff, bears N. 70° W.

At 6.50 chs. on course, mouth of small draw from S. 60° W.

N. 1° 02' E., 18.18 chs. At 2.50 chs. on course, mouth of small draw from N. 75° W.

At 6.00 chs. on course, thence along high vertical bluff.

End of course, true point for meander cor. of secs. 25 and 36.

Land, mostly vertical rock bluffs.

Soil, sandy and rocky.

Timber, none.

Undergrowth, scattered willows, tamarack and black brush.

General Description

The land contained in T. 28 S., R. 19 E., is mostly rough and broken, with numerous sandstone outcroppings; with the soil ranging from sandy to sandy clay.

The general elevation ranges from a high of approx. 6,300 ft. in the area known as Grand River Point, situated in the southwestern portion of the township; to a low of approx. 4,000 ft. along the Colorado River, in the eastern edge of the township.

There are several unimproved roads in the township, serving mainly as prospecting trails, with one of these roads connecting with Highway No. 160.

No permanent dwellings were noted, although there are two small cabins situated on the southern portion of Grand River Point.

CERTIFICATE OF CADASTRAL ENGINEER

421

I, Leland P. Lewis, Cartographic Survey Aid, HEREBY CERTIFY upon honor that
dated February 17, 1928 and supplemental special instructions
pursuance of special instructions bearing date of the 7 day of May, 1954,

I have surveyed A portion of the North Boundary of T. 28 S., R. 19 E., and portion
of subdivision.

of the Salt Lake Meridian, in the State of Utah, which are
represented in the foregoing field notes as having been executed by me and under my direction; and that
said survey has been made in strict conformity with said instructions, the Manual of Instructions for the
Survey of the Public Lands of the United States, and in the specific manner described in the foregoing
field notes.

September 29, 1954

Leland P. Lewis

Moab, Utah

Leland P. Lewis
Cartographic Survey Aid

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., 1954

The foregoing field notes of the survey of A portion of the North Boundary of T. 28 S.,
R. 19 E., and portion of subdivision.

executed by Leland P. Lewis, Cartographic Survey Aid.

having been critically examined and found correct, are hereby approved.

Chief, Division of Cadastral Engineering.

CERTIFICATE OF TRANSCRIPT

~~I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in T. 28 S.,~~
~~R. 19 E., SI Meridian, is a true copy of the original field notes.~~

~~Chief, Division of Cadastral Engineering.~~

FIELD ASSISTANTS

16-52565-2

I, Chester A. Swiatek, Cartographer (Cadastral), HEREBY CERTIFY upon honor that
dated February 17, 1928 and supplemental special instructions
pursuance of special instructions bearing date of the 7 day of May, 1954

I have surveyed The South and West Boundaries of T. 28 S., R. 19 E., and portion
of subdivision.

of the Salt Lake Meridian, in the State of Utah, which are
represented in the foregoing field notes as having been executed by me and under my direction; and that
said survey has been made in strict conformity with said instructions, the Manual of Instructions for the
Survey of the Public Lands of the United States, and in the specific manner described in the foregoing
field notes.

September 29, 1954

Moab, Utah

Chester A. Swiatek

Chester A. Swiatek
Cartographer (Cadastral)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., _____, 19____

The foregoing field notes of the survey of The South and West Boundaries of T. 28 S., R.
19 E., and portion of Subdivision.

executed by Chester A. Swiatek, Cartographer (Cadastral)

having been critically examined and found correct, are hereby approved.

Chief, Division of Cadastral Engineering.

CERTIFICATE OF TRANSCRIPT

~~I CERTIFY that the foregoing transcript of the field notes of the above described surveys in T. 28 S., R. 19 E., SL Meridian, is a true copy of the original field notes.~~

Chief, Division of Cadastral Engineering.

CERTIFICATE OF CADASTRAL ENGINEER

I, Andrew Nelson, Cartographer (Cadastral) HEREBY CERTIFY upon honor that
dated February 17, 1928 and supplemental special instructions
pursuance of special instructions bearing date of the 7 day of May, 1928

I have surveyed A portion of the North Boundary of T. 28 S., R. 19 E., and portion
of subdivision.

of the Salt Lake Meridian, in the State of Utah, which are
represented in the foregoing field notes as having been executed by me and under my direction; and that
said survey has been made in strict conformity with said instructions, the Manual of Instructions for the
Survey of the Public Lands of the United States, and in the specific manner described in the foregoing
field notes.

September 29, 1954

Salt Lake City, Utah

Andrew Nelson

Andrew Nelson
Cartographer (Cadastral)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., JUN 20 1955, 1955

The foregoing field notes of the survey of The North, South and West Boundaries and a
portion of the subdivision of T. 28 S., R. 19 E.

executed by Andrew Nelson, Chester A. Swiatek; Cartographers (Cadastral) and Leland
P. Lewis, Cartographic Survey Aid.
having been critically examined and found correct, are hereby approved.

Donald B. Cement
Chief, Division of Cadastral Engineering
Acting Cadastral Engineering Staff Officer

CERTIFICATE OF TRANSCRIPT

~~I CERTIFY that the foregoing transcript of the field notes of the above described surveys in~~
~~is a true copy of the original field notes.~~

Chief, Division of Cadastral Engineering

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

of the survey of the

South Boundary and Portion of Subdivison of

T. 28 S., R. 21 E.

Of the Salt Lake Meridian,

In the State of Utah

EXECUTED BY

Leland P. Lewis, Cartographic Survey Aide.

Under special instructions dated March 30th, 19 54., which provided
for the surveys included under Group No. 394, approved April 12, 1954
and assignment instructions dated April 29th, 19 54.

Survey commenced May 14th, 19 54.

Survey completed June 16th, 19 54.

INDEX DIAGRAM

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In 1927, Moore and Yundt surveyed the north and west boundaries of T. 28 S., R. 21 E., as contained in the field notes of the subdivison of T. 28 S., R. 20 E. and T. 27 S., R. 21 E. Rathbone and Mason, in 1916, surveyed the east boundary of T. 28 S., R. 21 E., as contained in the field notes of the survey of T. 28 S., R. 22 E.

The following field notes are those of the survey of the South boundary and a portion of the subdivison of T. 28 S., R. 21 E., deemed sufficient in extent to facilitate development of the natural resources and mark the boundaries of those sections that normally are considered State school sections.

This survey was executed with a Buff and Buff light mountain solar transit, serial number 23442, equipped with a full vertical circle and improved smith-type telescopic solar attachment, and conforms to the standard instrumental specifications of the Bureau of Land Management. The instrument having been placed in satisfactory adjustment prior to the beginning of the survey, was maintained thereafter in precise adjustment throughout the progress of the survey.

The directions of the lines of this survey were determined generally by sustained angulation carried forward from the following hour angle observation on Polaris for meridian, supplemented by numerous altitude observations on the sun for azimuth taken throughout the progress of the survey.

Corners on the east-west lines were set on the true latitudinal curve. Lines connecting previously established corners were run by random and true method, but for simplification of the record, the random lines are omitted from the field notes. In accordance with the intent of the special instructions all subdivisional corners established are calculated to be at the positions they would occupy if the entire township were subdivided.

Measurements herein contained were made with a narrow steel tape, 8 chains in length, graduated every link for the first 100 links, and thereafter at intervals of every 10 links. The tape was tested by comparison with a 1-chain standard steel tape and found to be correct. Measurements were made on the slope with the vertical angle of each interval ascertained by two clinometers in good adjustment; the field notes showing the horizontal equivalents. All lines of this survey were run by direct method where the lines are accessible; lines inaccessible to chaining were run by traverse or triangulation methods. The details of such traverses or triangulations have been thoroughly verified and in order to simplify the record, the diagrams and reductions are omitted from these field notes.

The geographic position for the southeast corner of this township is in latitude $38^{\circ} 18' 56''$ N., and longitude $109^{\circ} 33' 02''$ W., as determined by traverse from U.S.G.S. Triangulation Station 'Cat', situated in section 33, T. 29 $\frac{1}{2}$ S., R. 22 E.

May 13th, 1954, on the south boundary of T. 28 S., R. 21 E., at the section corner of the sections of 1, 6, 31 and 36, in latitude $38^{\circ} 18' 56''$ N., and longitude $109^{\circ} 33' 02''$ W., I make an hour angle observation of Polaris, with the following results:

Mean watch time of observation, p.m.	7h 30m 45s
Hour angle of Polaris	8h 44m 33s
True azimuth	W. $0^{\circ} 53.6'$
Horizontal angle	$89^{\circ} 06.4'$
True bearing of reference line	West

The magnetic declination was read at a number of stations throughout the township and the average of the readings was found to be $15^{\circ} 20' 00''$.

Chains Beginning at the corner of Ts. 28 and 29 S., Rs. 21 and 22 E., which is monumented with an iron post, $2\frac{1}{2}$ ins. diam., firmly set, mkd. and witnessed as described in the field notes of the survey of T. 29 S., R. 21 E.

S. $89^{\circ} 57'$ W., bet. secs. 1 and 36.

Descend 10 ft. over rolling W. to NW. slope.

10.00 Small wash, 10 lks. wide, 1 ft. deep, course N. 15° W., ascend 10 ft. over gradual E. slope.

30.00 Top rise, brs. N. 15° W. and S. 15° E., thence descend 55 ft. over NW. slope.

31.50 Enter scattered juniper, which brs. N. and S.

40.00 Point for the $\frac{1}{4}$ sec. cor. of the secs. 1 and 36.

Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, 20 ins. in the ground, and in mound of stone, $3\frac{1}{2}$ ft. base to top of post, with brass cap mkd.

	S 36
$\frac{1}{4}$	<hr/>
	S 1
	19 54

from which

A juniper, 18 ins., diam., brs. N. $74\frac{1}{2}^{\circ}$ E., 51 lks. dist., mkd.
 $\frac{1}{4}$ S 36 BT.

A juniper, 15 ins., diam., brs. S. $52\frac{1}{4}^{\circ}$ W., 72 lks. dist., mkd.
 $\frac{1}{4}$ S 1 BT.

Thence cont. to descend 20 ft. over NW. slope.

41.55 Wash, 15 lks. wide, 5 ft. deep, course N. approx. 8 chs. thence N. 80° W., ascend 40 ft. over rolling NE. slope.

52.95 Spur, sloping N. approx. 5 chs. thence N. 15° W., descend 115 ft. over NW. slope, through a medium dense growth of juniper, with some scattered pinon.

55.00 Sandstone ledge, brs. N. and S.

58.70 Wash, 30 lks. wide, 3 ft. deep, course N. 10° W., thence ascend 15 ft. over NE. slope.

68.50 Spur, sloping N. 25° E., leave timber and descend 30 ft. over NW. slope.

76.10 Wash, 20 lks. wide, 4 ft. deep, course N. 30° E. (in wide flat draw, which drains NE.) thence ascend 15 ft. over gradual NE. slope.

80.00 Point for the sec. cor. of the secs. 1, 2, 35 and 36.

Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, 20 ins. in the ground, and in mound of stone, $3\frac{1}{2}$ ft. base to top of post, with brass cap mkd.

T 28 S	R 21 E
S 35	S 36
S 2	S 1
<hr/>	
T 29 S	
19 54	

Chains

Land: Low to high rolling.
Soil: Sandy loam, with some small, loose, broken rock.
Brush: Moderate sage and bunchgrass, with some cacti and undergrowth.
Timber: E. $\frac{1}{2}$ mile, scattered juniper.
W. $\frac{1}{2}$ mile, moderate juniper, with some scattered pinon.

S. $89^{\circ} 57'$ W., bet. secs. 2 and 35.

Over rolling land.

Ascend 25 ft. over gradual NE. slope, through moderate juniper.

4.60 Sandstone spur, sloping N., descend 50 ft. over rolling W. slope.

23.45 Wide, flat draw, drains N. 30° E., thence ascend 60 ft. over gradual E. slope, through moderate juniper and scattered pinon.

40.00 Point for the $\frac{1}{4}$ sec. cor. of the secs. 2 and 35.

Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, 20 ins. in the ground, and in mound of stone, $3\frac{1}{2}$ ft. base to top of post, with brass cap mkd.

	S 35
$\frac{1}{4}$	<hr/>
	S 2
	19 54

from which

A juniper, 36 ins., diam., brs. S. $67\frac{1}{2}^{\circ}$ W., 126 lks. dist., mkd.
 $\frac{1}{4}$ S 2 BT.

A pinon, 18 ins., diam., brs. N. 45° W., 48 lks. dist., mkd.
 $\frac{1}{4}$ S 35 BT.

Leave timber and cont. to ascend 65 ft. over E. slope.

48.00 Slope changes to NE., cont. to ascend 15 ft. over NE. slope with some sandstone outcroppings.

80.00 Point for the sec. cor. of the secs. 2, 3, 34 and 35.

Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, 20 ins. in the ground, and in mound of stone, 3 ft. base to top of post, with brass cap mkd.

T 28 S R 21 E	
S 34	S 35
S 3	S 2
<hr/>	
T 29 S	
19 54	

Land: E. $\frac{1}{2}$ mile, high rolling.
W. $\frac{1}{2}$ mile, gentle sloping.
Soil: E. $\frac{1}{2}$ mile, sandy loam.
W. $\frac{1}{2}$ mile, sandy loam, with some sandstone outcroppings.
Brush: Moderate sage and bunchgrass.
Timber: E. $\frac{1}{2}$ mile, moderate juniper and pinon.
W. $\frac{1}{2}$ mile, none.

S. $89^{\circ} 57'$ W., bet. secs. 3 and 34.

Over gradual E. to NE. slope.

Ascend 30 ft. to $\frac{1}{4}$ sec. cor.

Chains

9.10

Dirt road, brs. N. 60° W. and S. 60° E.

20.00

A corral brs. N. 8° chs. dist.

40.00

Point for the $\frac{1}{4}$ sec. cor. of the secs. 3 and 34.

Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, 20 ins. in the ground, and in mound of stone, 4 ft. base to top of post, with brass cap mkd.

S 34

 $\frac{1}{4}$

S 3

19 54

Thence cont. to ascend 10 ft. over NE. slope.

58.50

Top rise, brs. N. and S., descend 135 ft. over SW. slope through heavy pinon.

62.50

Leave heavy pinon, cont. through scattered juniper and pinon.

67.75

Wash, 20 lks. wide, 5 ft. deep, course S. 20° W., thence ascend 70 ft. over SE. slope.

72.40

Sandstone spur, sloping S. 6 chs. to end, descend 230 ft. over sandstone ledge, sloping W.

80.00

Point for the sec. cor. of the secs. 3, 4, 33 and 34.

Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, over 'X' on bedrock, and in mound of stone, 5 ft. base to top of post, with brass cap mkd.

T 28 S R 21 E

S 33

S 34

S 4

S 3

T 29 S

19 54

from which

A juniper, 8 ins., diam., brs. N. $3\frac{3}{4}$ ° E., 60 lks. dist., mkd.
T28S R21E S34 BT.

A pinon, 3 ins., diam., brs. S. $47\frac{1}{2}$ ° E., 66 lks. dist., mkd.
S3 BT.

A pinon, 10 ins., diam., brs. S. $37\frac{1}{2}$ ° W., 38 lks. dist., mkd.
T29S S4 BT.

A pinon, 8 ins., diam., brs. N. $64\frac{1}{4}$ ° W., 31 lks. dist., mkd.
T28S R21E S33 BT.

Land: E. $\frac{1}{2}$ mile, gradual E. slope.W. $\frac{1}{2}$ mile, high rolling.Soil: E. $\frac{1}{2}$ mile, good sandy loam.W. $\frac{1}{2}$ mile, sandy loam, with some sandstone outcroppings.Brush: E. $\frac{1}{2}$ mile, heavy sage and bunchgrass.W. $\frac{1}{2}$ mile, moderate sage and bunchgrass, with some cacti.Timber: E. $\frac{1}{2}$ mile, none.W. $\frac{1}{2}$ mile, scattered juniper and pinon.

S. 89° 57' W., bet. secs. 4 and 33.

Over sandstone ledges.

Descend 50 ft. over S. to SW. sandstone slope.

Chains

- 12.50 Wash, 15 lks. wide, 4 ft. deep, course S. 30° W., leave sandstone ledges and ascend 35 ft. over SE. slope.
- 17.50 Spur, sloping S. 30° W., thence descend 50 ft. over S. to SW. slope.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of the secs. 4 and 33.
- Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, 18 ins. in the ground, and in mound of stone, $3\frac{1}{2}$ ft. base to top of post, with brass cap mkd.

	S 33
$\frac{1}{4}$	<hr/>
	S 4
	19 54

No available BT's.

Cont. to descend 55 ft. over gentle S. to SW. slope.

- 54.00 Enter heavy juniper and pinon, which brs. NE. and SW.
- 80.00 Point for the sec. cor. of the secs. 4, 5, 32 and 33.

Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, 20 ins. in the ground, and in mound of stone, 3 ft. base to top of post, with brass cap mkd.

T 28 S R 21 E.			
S 32		S 33	
S 5		S 4	
<hr/>			
T 29 S			
19 54			

from which

A juniper, 6 ins., diam., brs. N. 36 1/2° E., 12 lks. dist., mkd. S33 BT.

A juniper, 4 ins., diam., brs. S. 50 3/4° E., 195 lks. dist., mkd. BT.

A juniper, 5 ins., diam., brs. S. 40 1/2° W., 30 lks. dist., mkd. T29S R21E S5 BT.

A juniper, 16 ins., diam., brs. N. 41° W., 146 lks. dist., mkd. T28S R21E S32 BT.

Land: E. $\frac{1}{2}$ mile, rolling land with sandstone ledges.

W. $\frac{1}{2}$ mile, gentle sloping.

Soil: Good, sandy loam.

Brush: Abundant brigham tea, sage and bunchgrass.

Timber: E. $\frac{1}{2}$ mile, scattered juniper and pinon.

W. $\frac{1}{2}$ mile, heavy juniper and pinon.

S. 89° 57' W., bet. secs. 5 and 32.

Over very steep, broken land.

Descend 5 ft. over SW. slope.

- 0.50 Small drain, course SW., ascend 15 ft. over slight SE. slope
- 6.50 Spur, sloping S. 5° W., 4 chs. to end.
- 12.70 Spur, sloping S., 8 chs. to end; thence descend 55 ft. over SW. slope.

Chains
18.20

Descend abruptly 890 ft. over very broken SW. slope, to Lockhart

24.00

Slope changes to S.

40.00

Point for the $\frac{1}{4}$ sec. cor. of the secs. 5 and 32.Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, over 'X' on bedrock, and in mound of stone, 4 ft. base to top of post, with brass cap mkd

S 32

 $\frac{1}{4}$

S 5

19 54

A granite boulder 10'x6'x2' brs. N. 64 lks. dist.

Thence cont. to descend 480 ft. over very broken S. slope.

60.80

Ravine, 50' lks. wide, 8 ft. deep, course S. 25° W.

64.00

Ravine, 20' lks. wide, 5 ft. deep, course S. 10° W., thence ascend 12 ft. over E. slope.

65.80

Low spur, sloping S. 10° W., thence over broken washed area.

74.85

Low spur, sloping S. 5° W. 7 chs. to end; descend 65 ft. over SW. slope.

80.00

Point for the sec. cor. of the secs. 5, 6, 31 and 32.

Set an iron post, 1 ins. diam., 30 ins. long, 10 ins. in drillhole, and in mound of stone, 3 ft. base to top of post, with brass cap mkd

T 28 S R 21 E

S 31 | S 32

S 6 | S 5

T 29 S

19 54

Cor. is located on bedrock on low rise which brs. NE. and SW.

Land: E. $\frac{3}{4}$ mile, very steep and broken.W. $\frac{1}{4}$ mile, rolling to broken.Soil: E. $\frac{3}{4}$ mile, very rocky, with large broken stone.W. $\frac{1}{4}$ mile, sandy.Brush: E. $\frac{3}{4}$ mile, none.W. $\frac{1}{4}$ mile, scattered sage and cacti.

Timber: None.

S. 89° 57' W., bet. secs. 6 and 31.

Over rolling bottom of Lockhart Basin.

0.20

Wash, 20 lks. wide, 3 ft. deep, course S. 15° W.

2.00

Low spur, sloping S. 5° W.

3.00

Wash, 20 lks. wide, 4 ft. deep, course S. approx. 5 chs. thence SW., cont. over series of low, short spurs and washes, sloping and draining to SW.

16.30

(Branch) main wash, 30 lks. wide, 5 ft. deep, course N. 50° W., from S. 10° E., general drainage changes to NW. at this point.

Chains
40.00

Point for the $\frac{1}{4}$ Sec. cor. of the secs. 6 and 31.

Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, 20 ins. in the ground, and in mound of stone, $3\frac{1}{2}$ ft. base to top of post, with brass cap mkd.

S 31
A. $\frac{1}{4}$ $\frac{1}{4}$ S 6
19 54

Cor. is located approx. 20 chs. S. of the base (talus) of an isolated butte, approx. 12 chs. high.

Thence descend 40 ft. over rolling NW. slope.

53.65 Wash, 10 lks. wide, 2 ft. deep, course N. 10° W., ascend 15 ft. over NE. slope.

60.60 Spur, sloping N. 65° W., approx. 16 chs. to end; leave series of low short spurs and washes and descend 90 ft. over NW. slope.

66.85 (Branch) main wash, 40 lks. wide, 4 ft. deep, course N. 10° W.

72.80 Wash, 25 lks. wide, 3 ft. deep, course N. to NW., thence ascend 10 ft. over NE. slope.

77.81 The cor. of Ts. 28 and 29 S., Rs. 20 and 21 E., firmly set, mkd. and witnessed as described in the official record of the survey of T. 29 S., R. 20 E.

Cor. is located approx. 13 chs. S. of S. fork of Lockhart wash, which drains approx. N. 75° W.

Land: Rolling to broken bottom of Lockhart basin.

Soil: Sandy.

Brush: None.

Timber: None.

Partial Subdivison of T. 28 S., R. 21 E.

From the sec. cor. of the secs. 1, 2, 35 and 36, Ts. 28 and 29 S., R. 21 E.

N. $0^{\circ} 11'$ W., bet. secs. 35 and 36.

Over rolling to broken land.

Ascend 80 ft. along SE. slope.

4.00 Enter moderate juniper and pinon.

10.00 Enter heavy juniper and pinon.

12.00 S. edge of top of spur, which slopes NE., thence cont. across top of spur with a gradual descent of 20 ft.

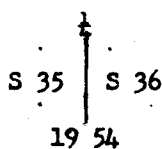
25.00 N. edge of top of spur, descend 145 ft. along NW. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of the secs. 35 and 36.

Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, 22 ins. in the ground, and in mound of stone, 3 ft. base to top of post, with brass cap mkd.

125

Chains



from which

A pinon, 5 ins., diam., brs. S. 24 1/2° E., 24 lks. dist. mkd.
S36 BT

A pinon, 6 ins., diam., brs. S. 9° W., 64 lks. dist. mkd. BT.

Thence cont. to descend 140 ft. along NW. slope, through heavy pinon juniper.

49.50 Leave timber.

54.35 Wash, 50 lks. wide, 3 ft. deep, course N. 10° E., ascend 12 ft. along NE. slope, through heavy juniper and pinon.

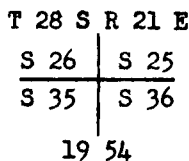
59.30 NE. edge of sandstone boulder, approx. 100 ft. high, thence over rolling land.

69.00 Wash, 15 lks. wide, 2 ft. deep, course N. 65° E., ascend 70 ft. over SE. slope.

70.00 Leave heavy timber, cont. through moderate timber.

80.00 Point for the sec. cor. of the secs. 25, 26, 35 and 36.

Set an iron post, 2 1/2 ins. diam., 30 ins. long, 10 ins. in the ground, and in mound of stone, 4 ft. base to top of post, with brass cap mkd.



from which

A juniper, 18 ins., diam., brs. N. 67 1/2° E., 17 lks. dist., mkd.
T28S R21E S25 BT.

A juniper, 10 ins., diam., brs. S. 49 1/2° E., 95 lks. dist., mkd.
S36 BT.

A pinon, 10 ins., diam., brs. S. 44 1/2° W., 86 lks. dist., mkd.
T28S R21E S35 BT.

A juniper, 8 ins., diam., brs. N. 8 1/2° W., 82 lks. dist., mkd.
S26 BT.

Cor. is located on spur, which slopes N. 10° W., from S. 15° W.

Land: High rolling.

Soil: Sandy loam.

Brush: Moderate sage, cacti, brigham tea.

Timber: Heavy juniper and pinon.

From the cor. of the secs. 25, 30, 31 and 36, T. 28 S., R. 21 and 22 E., which is monumented with an iron post, 2 ins. diam., firmly set, mkd. and witnessed as described in the official record of the survey of the west boundary of T. 28 S., R. 22 E.

Chains N. 89° 57' W., bet. secs. 25 and 36.
 Over high rolling to broken land.
 Ascend 35 ft. over rolling NE. slope, through heavy juniper and pinon.

6.70 Low flat spur, sloping N. 10° W., descend 240 ft. over broken W. slope.

28.70 Wash, 30 lks. wide, 3 ft. deep, course N. 10° W., thence ascend 105 ft. over E. slope, through heavy timber.

34.20 Spur, sloping N., approx. 8 chs. to end, thence descend 40 ft. along NW. slope.

38.20 E. edge wash, which brs. N. and SE., cont. to descend 60 ft. along NW. slope.

40.01 True cor. point for the $\frac{1}{4}$ sec. cor. of the secs. 25 and 36, falls at bottom of wash, 15 lks. wide, 3 ft. deep, course N. from SE., where the monument cannot be perpetuated. Ascend 40 ft. over E. slope.

40.41 Point for the witness $\frac{1}{4}$ sec. cor. of the secs. 25 and 36.
 Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, 25 ins. in the ground, and in mound of stone, $2\frac{1}{2}$ ft. base to top of post, with brass cap mkd.

W.C.
 S 25
 $\frac{1}{4}$ \longrightarrow
 S 36
 19 54

from which

A pinon, 7 ins., diam., brs. N. 13 $\frac{1}{4}$ ° E., 108 lks. dist., mkd. 'X'.

A pinon, 12 ins., diam., brs. S. 6 $\frac{1}{2}$ ° E., 43 lks. dist., mkd. 'X'.

Thence cont. to ascend 35 ft. over E. slope.

42.50 W. edge wash, which brs. N. and SE., cont. to ascend 15 ft.

43.80 Spur, sloping N., approx. 10 chs. to end, descend 120 ft. over NW. slope.

53.50 Wash, 25 lks. wide, 4 ft. deep, course N. 5° E., ascend 150 ft. over NE. slope, through moderate juniper and pinon.

60.15 Spur, sloping N. 5° E., approx. 20 chs. to end, thence descend 150 ft. along NW. slope.

72.60 Wash, 50 lks. wide, 3 ft. deep, course N. 10° E., ascend 170 ft. over NE. slope.

80.02 The cor. of the secs. 25, 26, 35 and 36.
 Land: High rolling.
 Soil: Sandy loam.
 Brush: Moderate sage and brigham tea.
 Timber: Moderate to heavy juniper and pinon.

437

- Chains Beginning at the sec. cor. of the secs. 2, 3, 34 and 35, T. 27 S., R. 21 E., which is monumented with an iron post, 2 ins. diam., firmly set, mkd. and witnessed as described in the official record of the survey of the south boundary of T. 27 S., R. 21 E.
- S. 0° 04' E., bet. secs. 2 and 3.
- Along W. side of canyon wall.
- Ascend 125 ft.
- 11.80 W. rim of canyon, which brs. N. and S. 5° E., thence ascend 300 ft. over numerous broken sandstone ledges, general slope to NE.
- 44.76 Point for the $\frac{1}{4}$ sec. cor. of the secs. 2 and 3.
- Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, 18 ins. in the ground, and in mound of stone, $3\frac{1}{2}$ ft. base to top of post, with brass cap mkd.
- | | |
|-------|-----|
| S 3 | S 2 |
| 19 54 | |
- Leave sandstone ledges and cont. to ascend 20 ft. over rolling NE. slope.
- 45.80 Top of ascent on spur, sloping E. from W., thence descend 85 ft. over general S. slope, through moderate juniper and pinon, into small valley.
- 73.20 Wash, 15 lks. wide, 2 ft. deep, course N. 45° E., thence cont. across small valley.
- 84.76 Point for the sec. cor. of the secs. 2, 3, 10 and 11.
- Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, 20 ins. in the ground, and in mound of stone, 4 ft. base to top of post, with brass cap mkd.
- | | |
|---------------|------|
| T 28 S R 21 E | |
| S 3 | S 2 |
| S 10 | S 11 |
| 19 54 | |
- Cor. is located at edge of small clearing on a slight NE. slope, 50 lks. N. of a wash, 10 lks. wide, 1 ft. deep, course N. 80° E.
- Land: N. $\frac{1}{2}$ mile, steep, broken with numerous sandstone ledges.
S. $\frac{1}{2}$ mile, gentle rolling.
- Soil: N. $\frac{1}{2}$ mile, sandstone bedrock.
S. $\frac{1}{2}$ mile, sandy loam.
- Brush: N. $\frac{1}{2}$ mile, none.
S. $\frac{1}{2}$ mile, moderate sage, grass and capti.
- Timber: Scattered to medium dense juniper and pinon.
-
- From the sec. cor. of the secs. 2, 3, 10 and 11.
- East, bet. secs. 2 and 11.
- Over rolling land.
- 2.10 Wash, 10 lks. wide, $1\frac{1}{2}$ ft. deep, course N. 85° E.

Chains

- 6.00 Enter moderate juniper.
- 6.50 Wash, 30 lks. wide, 2 ft. deep, course N. 25° E., thence over rolling valley floor through moderate juniper and pinon.
- 23.15 Base of sandstone ridge, leave valley and ascend 155 ft. over NW. sandstone slope.
- 26.00 Top ridge, brs. N. 5° E. and S. 5° W., descend 140 ft. over SE. slope.
- 28.00 Leave timber and enter sandstone ledges.
- 36.50 Abrupt drop of 405 ft. over sheer E. face of sandstone ledge.
- 40.00 True cor. point for the $\frac{1}{4}$ sec. cor. of the secs. 2 and 11, falls in wash, 20 lks. wide, 4 ft. deep, course N. 5° E., where the monument cannot be perpetuated, ascend 15 ft.
- 40.50 Point for the witness $\frac{1}{4}$ sec. cor. of the secs. 2 and 11.
- Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, 20 ins. in the ground, and in mound of stone, 3 ft. base to top of post, with brass cap mkd.

W.C.
S 2
 $\frac{1}{4}$ ←
S 11
19 54

Thence ascend 195 ft. over steep, broken sandstone ledges, general W. slope.

- 46.40 Enter moderate juniper and pinon, general slope changes to NW., cont. to ascend 225 ft. over sandstone ledges.
- 74.00 Top of ascent on E. rim of mesa, brs. N. and S., thence over near level grassy plain.
- 80.00 Point for the sec. cor. of the secs. 1, 2, 11 and 12.

Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, 20 ins. in the ground, with brass cap mkd.

T 28 S R 21 E
S 2 | S 1
S 11 | S 12
19 54

No available accessories.

Land: W. $\frac{1}{2}$ mile, rolling land.
E. $\frac{1}{2}$ mile, steep, broken with numerous sandstone ledges.
Soil: W. $\frac{1}{2}$ mile, sandy loam.
E. $\frac{1}{2}$ mile, sandstone bedrock.
Brush: Moderate sage, cacti and some grass.
Timber: Scattered to medium dense juniper and pinon.

From the sec. cor. of the secs. 1, 2, 11 and 12.

N. 0° 11' W., bet. secs. 1 and 2.

Chains	Over rolling grassy plain, slight SW. slope.
16.00	Enter moderate juniper and pinon.
20.00	Slope changes to NE.
25.00	N. rim of mesa, brs. NW. and SE., leave grassy plain and descend 170 ft. over numerous sandstone ledges, general NW. slope; also head of ravine, 10 lks. wide, 2 ft. deep, drains N. 25° E.
35.00	Leave timber.
39.70	Head of ravine, 15 lks. wide, 2 ft. deep, drains NE.
40.00	Point for the $\frac{1}{4}$ sec. cor. of the secs. 1 and 2. Set an iron post, 1 ins. diam., 30 ins. long, 10 ins. in drillhole, with brass cap mkd.
	<div style="text-align: center;"> $\frac{1}{4}$ S 2 S 1 19 54 </div>
	No available accessories.
	Cor. is located on steep SE. sandstone ledge, approx. 3 chs. W. of above ravine (at 25 chs.).
	Thence ascend 120 ft. over sandstone ledges, general SE. slope.
53.60	N. rim of sandstone ledges, brs. N. 45° E. and S. 45° W.
54.70	Enter moderate juniper and pinon, thence over rolling mesa top.
61.00	Enter heavy timber.
84.75	The cor. of the secs. of 1, 2, 35 and 36, Ts. 27 and 28 S., R. 21 E. which is monumented with an iron post, 2 ins. diam., firmly set, mkd. and witnessed as described in the official record of the survey of the south boundary of T. 27 S., R. 21 E. Land: S. $\frac{1}{2}$ mile, rolling land. N. $\frac{1}{2}$ mile, broken ledges to rolling land. Soil: Sandy loam. Brush: Moderate sage, grass and cacti. Timber: Moderate to heavy juniper and moderate pinon.
	From the sec. cor. of the secs. 3, 4, 33 and 34, Ts. 28 and 29 S., R. 21 E.
	N. 0° 12' W., bet. secs. 33 and 34.
	Over high rolling land.
	Ascend 165 ft. over sandstone ledges, general SE. slope.
6.30	N. rim of sandstone ledge, thence ascend 15 ft. along rolling SW. slope, through heavy juniper.
12.00	Top of ascent on spur, sloping W., descend 40 ft. over low, rolling flat, through heavy juniper and pinon, general NW. slope.
33.10	Head of ravine, 30 lks. wide, 3 ft. deep, drains N. 45° W.; also E. edge of ledge, approx. 80 ft. high, ascend 15 ft.

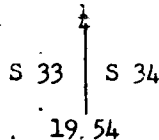
Chains
39.00

W. point of projection.

40.00

Point for the $\frac{1}{4}$ sec. cor. of the secs. 33 and 34.

Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, 18 ins. in the ground, and in mound of stone, 4 ft. base to top of post, with brass cap mkd.



No available accessories.

Thence descend 330 ft. over sandstone ledges, general NW. slope.

64.00

Wash, 10 lks. wide, 3 ft. deep, course N. 40° W., ascend 95 ft. over rolling S. to SW. slope to sec. cor.

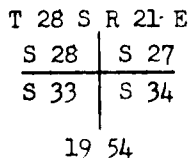
70.00

Base of sandstone ledge, sloping SW., leave timber.

80.00

Point for the sec. cor. of the secs. 27, 28, 33 and 34.

Set an iron post, 1 ins. diam., 30 ins. long, 12 ins. in drillhole, with brass cap mkd.



No available accessories.

Land: Rolling to broken with some sandstone ledges.

Soil: Sandy loam.

Brush: S. $\frac{1}{2}$ mile, heavy sage and grass, with some Brigham tea.

N. $\frac{1}{2}$ mile, moderate sage and some undergrowth.

Timber: S. $\frac{1}{2}$ mile, heavy juniper and pinon.

N. $\frac{1}{2}$ mile, moderate juniper and pinon.

N. $0^\circ 12'$ W., bet. secs. 27 and 28.

Over high rolling land.

Ascend 100 ft. over SW. face of sandstone ledge.

5.20

Sandstone spur, sloping W., descend 195 ft. over W. to NW. slope, through heavy juniper and pinon.

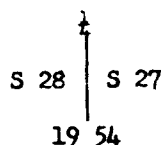
31.90

Wash, 40 lks. wide, 4 ft. deep, course W., thence ascend 100 ft. over rolling S. to SW. slope to $\frac{1}{4}$ sec. cor.

40.00

Point for the $\frac{1}{4}$ sec. cor. of the secs. 27 and 28.

Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, 20 ins. in the ground, and in mound of stone, $3\frac{1}{2}$ ft. base to top of post, with brass cap mkd.



Chains from which

A juniper, 30 ins., diam., brs. N. 52 3/4° E., 146 lks. dist.,
 1/4 S27 BT.

A pinon, 5 ins., diam., brs..N. 47° W., 87 lks. dist. mkd. BT

Thence cont. to ascend 110 ft. over S. to SW. slope.

56.75 Short, flat spur, sloping W., descend 50 ft. over rolling N. slope,
 leave heavy timber, cont. through scattered timber.

66.60 Wash, 40 lks. wide, 3 ft. deep, course W., thence ascend 25 ft. over
 short S. slope to sec. cor.

80.00 Point for the sec. cor. of the secs. 21, 22, 27 and 28.

Set an iron post, 2 1/2 ins. diam., 30 ins. long, 20 ins. in the
 ground, and in mound of stone, 4 ft. base to top of post, with
 brass cap mkd.

T 28 S R 21 E
S 21 S 22
S 28 S 27
19 54

Land: High rolling land.
 Soil: Sandy loam.
 Brush: Moderate sage and cacti.
 Timber: Heavy to scattered juniper and pinon.

N. 0° 12' W., bet. secs. 21 and 22.

Over rolling land.

Ascend 30 ft. to 1/4 sec. cor.

40.00 Point for the 1/4 sec. cor. of the secs. 21 and 22.

Set an iron post, 2 1/2 ins. diam., 30 ins. long, 20 ins. in the
 ground, and in mound of stone, 4 ft. base to top of post, with
 brass cap mkd.

S 21 S 22
19 54

Cor. is located on rise, brs. E. and W.

Thence descend 10 ft. over low rolling land to sec. cor.

80.00 Point for the sec. cor. of the secs. 15, 16, 21 and 22.

Set an iron post, 2 1/2 ins. diam., 30 ins. long, 20 ins. in the
 ground, and in mound of stone, 4 ft. base to top of post, with
 brass cap mkd.

T 28 S R 21 E.
S 16 S 15
S 21 S 22
19 54

Chains

Land: Rolling land.
Soil: Sandy loam.
Brush: Moderate sage, grass and some brigham tea.
Timber: None.

N. 0° 12' W., bet. secs. 15 and 16.

Over gentle sloping land.

Ascend 30 ft. over gentle SW. slope.

27.00 Low rise, brs. NE. and SW., descend 25 ft. over gentle NE. slope to $\frac{1}{4}$ sec. cor.

40.00 Point for the $\frac{1}{4}$ sec. cor. of the secs. 15 and 16.

Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, 20 ins. in the ground, with brass cap mkd.

$\frac{1}{4}$
 S 16 | S 15
 19 54

No available accessories.

Thence cont. to descend 30 ft. over NE. slope to sec. cor.

43.50 Rut road, brs. N. 45° W. and S. 45° E.

64.00 Low divide, brs. NE. and SW.

80.00 Point for the sec. cor. of the secs. 9, 10, 15 and 16.

Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, 22 ins. in the ground, and in mound of stone, 4 ft. base to top of post, with brass cap mkd.

T 28 S R 21 E
 S 9 | S 10
 S 16 | S 15
 19 54

Land: Gentle sloping.

Soil: Sandy loam.

Brush: Moderate sage and grass, with some cacti and brigham tea.
Timber: None.

N. 0° 12' W., bet. secs. 9 and 10.

Over gentle rolling land.

Descend 40 ft. over NE. slope to $\frac{1}{4}$ sec. cor.

40.00 Point for the $\frac{1}{4}$ sec. cor. of the secs. 9 and 10.

Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, 18 ins. in the ground, and in mound of stone, $3\frac{1}{2}$ ft. base to top of post, with brass cap mkd.

443

Chains

$\frac{1}{2}$
 S 9 | S 10
 19 54

Thence ascend 5 ft.

42.00 W. point of spur, leave gentle rolling land, descend 190 ft. over N. to NW. slope.

43.00 Enter moderate juniper and pinon.

64.15 Wash, 20 lks. wide, 2 ft. deep, course N. 10° W., approx. 3 chs. thence N. 10° E., descend 20 ft. over rolling N. to NW. slope to sec. cor.

70.00 Leave timber.

80.00 Point for the sec. cor. of the secs. 3, 4, 9 and 10.

Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, 20 ins. in the ground, and in mound of stone, $3\frac{1}{2}$ ft. base to top of post, with brass cap mkd.

T 28 S R 21 E
 S 4 | S 3
 S 9 | S 10
 19 54

Cor. is located in middle of grassy swale, 70 lks wide, 4 ft. deep, course N. 10° W.

Land: S. $\frac{1}{2}$ mile, rolling.

N. $\frac{1}{2}$ mile, rolling to broken.

Soil: Sandy loam.

Brush: Moderate sage, some grass and brigham tea.

Timber: Moderate juniper and pinon.

N. 0° 01' W., bet. secs. 3 and 4.

Over rolling land.

Descend 30 ft. over NE. slope to $\frac{1}{4}$ sec. cor.

6.70 Wash, 30 lks. wide, 2 ft. deep, course N. 40° W.

12.50 Rut road, brs. N. 5° E. and S. 10° W.

27.50 same road, brs. N. 10° E. and S. 5° E.

37.50 Same road, brs. N. 5° E. and S. 10° E.

40.00 Point for the $\frac{1}{4}$ sec. cor. of the secs. 3 and 4.

Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, 20 ins. in the ground, and in mound of stone, 3 ft. base to top of post, with brass cap mkd.

$\frac{1}{2}$
 S 4 | S 3
 19 54

Thence descend 55 ft. over rolling NE. slope to township cor.

Chains

- 43.40 Rut road, brs. N. 5° W. and S. 5° E.
- 46.80 Same road, brs. N. 5° E. and S. 5° W.
- 76.00 Wash, 30 lks. wide, 4 ft. deep, course N. 15° E.
- 84.77 The cor. of the secs. 3, 4, 33 and 34, Ts. 27 and 28 S., R. 21 E., which is monumented with an iron post, 2 ins. diam., firmly set, mkd. and witnessed as described in the official record of the survey of the south boundary of T. 27 S., R. 21 E.

Land: Rolling land.

Soil: Sandy loam.

Brush: Moderate sage, brigham tea, with some grass and cacti.

Timber: None.

From the sec. cor. of the secs. 15, 16, 21 and 22.

West, bet. secs. 16 and 21.

Over rolling to broken land.

Descend 5 ft.

- 20.50 Wash, drains N. 65° W.; ascend 5 ft.

- 38.50 Top rise, brs. N. and S.

- 40.00 Point for the $\frac{1}{4}$ sec. cor. of the secs. 16 and 21.

Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, 20 ins. in the ground, and in mound of stone, 3 ft. base to top of post, with brass cap mkd.

S 16.

$\frac{1}{4}$

S 21

19 54

Thence descend 180 ft. over SW. slope.

- 49.35 Ravine, 20 lks. wide, 3 ft. deep, drains S. 45° W., ascend 115 ft. over sandstone slope, general E. slope.

- 58.50 Flat spur, sloping S., approx. 7 chs. to end; thence descend 260 ft. over numerous sandstone ledges, general SW. slope.

- 80.00 Point for the sec. cor. of the secs. 16, 17, 20 and 21.

Set an iron post, 1 ins. diam., 30 ins. long, 12 ins. in drillhole, with brass cap mkd.

T 28 S R 21 E

S 17 S 16

S 20 S 21

19 54

No available accessories.

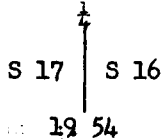
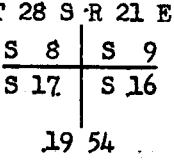
Cor. is located on edge of canyon, approx. 200 ft. deep, course approx. S. 40° W.

Land: Rolling to broken.

Soil: Sandy loam, with some sandstone outcroppings.

Brush: Scattered sage.

Timber: None.

Chains	From the cor. of the secs. 16, 17, 20 and 21. N. 0° 13' W., bet. secs. 16 and 17. Through canyon, draining SW. Thence by triangulation, no ascent. N. edge of canyon, brs. SW. and NE. Thence by chaining, ascend 90 ft. over S. to SE. sandstone slope.
7.10	
22.00	Leave sandstone, cont. to ascend 55 ft. over sandy S. slope, through moderate juniper.
35.00	Leave timber.
40.00	Point for the $\frac{1}{4}$ sec. cor. of the secs. 16 and 17. Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, 18 ins. in the ground, with brass cap mkd.
	<div style="text-align: center;">  </div>
	No available accessories.
40.30	Top of ascent on sandy spur, sloping W., thence descend 110 ft. over slight rolling NE. slope to sec. cor.
46.00	Enter grassy plain, slight NE. slope.
65.20	Rut road, brs. N. 55° E. and S. 35° W.
66.40	Leave grassy plain, enter moderate juniper and pinon, brs. E. and W.
70.00	Slope changes to NW.
80.00	Point for the sec. cor. of the secs. 8, 9, 16 and 17. Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, 20 ins. in the ground, with brass cap mkd.
	<div style="text-align: center;">  </div>
	from which
	A pinon, 11 ins., diam., brs. S. 71 3/4° E., 104 lks. dist., mkd. T28S R21E S16 BT.
	A juniper, 9 ins., diam., brs. S. 43° W., 112 lks. dist., mkd. S17 BT.
	A pinon, 12 ins., diam., brs. N. 10° W., 125 lks. dist., mkd. T28S R21E S8 BT.
	Land: Rolling land. Soil: Sandy loam. Brush: Moderate sage, cacti and grass. Timber: Moderate juniper and pinon.

Chains	From the sec. cor. of the secs. 9, 10, 15 and 16. S. 89° 54' W., bet. secs. 9 and 16. Over gentle rolling land. Descend 20 ft. to $\frac{1}{4}$ sec. cor.
4.45	Wash, 5 lks. wide, 2 ft. deep, course N. 5° E.
28.25	Rut road, brs. N. 5° W. and S. 5° E.
39.77	Point for the $\frac{1}{4}$ sec. cor. of the secs. 9 and 16. Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, 20 ins. in the ground, and in mound of stone, $3\frac{1}{2}$ ft. base to top of post, with brass cap mkd.
	<div style="text-align: center;"> $\begin{array}{r} S \ 9 \\ \frac{1}{4} \cdot \\ \hline S \ 16 \\ 19 \ 54 \end{array}$ </div>
40.50	Small drain, course NE., thence ascend 10 ft. over E. slope.
42.45	Top of low rise, brs. N. and S., thence over low rolling land.
65.15	Rut road, brs. N. 10° E. and S. 5° W., on top of low rise, brs. N. and S., thence descend 60 ft. over W. to NW. slope.
70.00	Enter moderate juniper and some pinon.
73.45	Low spur, sloping N. 10° E., descend 5 ft. over NW. slope.
79.94	The cor. of the secs. 8, 9, 16 and 17. Land: Rolling, general drainage NE. Soil: Sandy loam. Brush: Dense sage, moderate cacti. Timber: Scattered to moderate juniper, with some pinon.
<hr/>	
	From the sec. cor. of the secs. 4, 5, 32 and 33, Ts. 28 and 29S., R. 21 E. N. 0° 13' W., bet. secs. 32 and 33. Over rolling to broken land. Ascend 130 ft. over S. to SW. slope through moderate juniper and pinon.
19.30	Sandstone spur, sloping N. 80° E., descend 145 ft. over broken N. slope.
28.00	Leave timber, slope changes to NE.
34.10	Wash, 10 lks. wide, 2 ft. deep, course N. 40° E.
40.00	Point for the $\frac{1}{4}$ sec. cor. of the secs. 32 and 33. Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, 18 ins. in the ground, with brass cap mkd.

Chains

S 32	S 33
------	------

19	54
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Deposit a sandstone, 10"x5"x5", mkd. 'X', alongside of cor.

Thence descend 60 ft. over rolling NE. slope.

65.00 Enter moderate juniper and pinon.

71.00 Wash, 15 lks. wide, 3 ft. deep, course N. 45° W., thence ascend 30 ft. over SW. slope.

76.00 Head of canyon, draining W. into Lockhart basin.

80.00 Point for the sec. cor. of the secs. 28, 29, 32 and 33.

Set an iron post, 2½ ins. diam., 30 ins. long, over 'X' on sandstone bedrock, and in mound of stone, 5½ ft. base to top of post, with brass cap mkd.

T 28 S R 21 E	
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S 29	S 28
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S 32	S 33
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19	54
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Cor. is located on short W. slope, 60 lks. below mesa top.

Land: Rolling to broken mesa.

Soil: Sandy loam, with some sandstone outcroppings.

Brush: Moderate sage, grass and some brigham tea.

Timber: Moderate to scattered juniper and pinon.

From the sec. cor. of the secs. 5, 6, 31 and 32, Ts. 28 and 29 S., R. 21 E.

N.0° 13' W., bet. secs. 31 and 32.

Over very broken land, through Lockhart basin.

0.95 Wash, 20 lks. wide, 3 ft. deep, course S. 15° W.

3.30 Spur, sloping S. 5° W., 2 chs. to end; descend 20 ft. along NW. slope.

4.65 Wash, 30 lks. wide, 4 ft. deep, course S. 45° W., thence ascend 140 ft. over general S. slope.

31.95 Ravine, 15 lks. wide, 5 ft. deep, drains S. 80° W.

34.15 Spur, sloping S. 80° W., descend 55 ft. over N. to NW. slope.

36. 55 Ravine, 20 lks. wide, 5 ft. deep, drains W. approx. 6 chs. thence SW., ascend 20 ft. over S. slope.

39.00 Spur, sloping W.

40.00 Point for the ¼ sec. cor. of the secs. 31 and 32.

Set an iron post, 2½ ins. diam., 30 ins. long, 6 ins. in the ground, over 'X' on sandstone bedrock, and in mound of stone, 6 ft. base to top of post, with brass cap mkd.

Chains

$\begin{array}{c} \uparrow \\ \text{S } 31 \mid \text{S } 32 \\ 19 \ 54 \end{array}$

Cor. is located on steep N. slope, in small cove, approx. 1 ch. below spur top.

Deposit a sandstone, 4"x4"x3", mkd. 'X', alongside of cor.

Thence cont. to descend 120 ft. over N. to NW. slope.

59.10 Red, sandstone spur, 50 ft. high and 10 ft. wide at top, projecting W., thence over rolling sandy land, draining to W.

80.00 Point for the sec. cor. of the secs. 29, 30, 31 and 32.

Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, 20 ins. in the ground, and in mound of stone, $4\frac{1}{2}$ ft. base to top of post, with brass cap mkd.

$\begin{array}{c} \text{T } 28 \text{ S } R \text{ 21 E} \\ \hline \text{S } 30 \mid \text{S } 29 \\ \text{S } 31 \mid \text{S } 32 \\ 19 \ 54 \end{array}$

Land: Moderately steep and broken.

Soil: Sandy and rocky, with some clay.

Brush: Moderate sage.

Timber: None.

From the sec. cor. of the secs. 28, 29, 32 and 33.

S. $89^{\circ} 55'$ W., bet. secs. 29 and 32.

On NW. edge of mesa, descend 45 ft. over W. slope.

2.60 Broken rim, brs. NE. and SW., thence by triangulation, descend 965 ft. along S. portion of canyon, which drains W. into Lockhart basin.

13.00 Wash, course NW., thence ascend over general N. slope.

40.06 Point for the $\frac{1}{4}$ sec. cor. of secs. 29 and 32.

Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, 15 ins. in the ground, and in mound of stone, $3\frac{1}{2}$ ft. base to top of post, with brass cap mkd.

$\begin{array}{c} \text{S } 29 \\ \frac{1}{4} \mid \\ \hline \text{S } 32 \\ 19 \ 54 \end{array}$

Cor. is located on tip of broken spur, projecting NW.

Thence by chaining, descend 265 ft. over series of short, steep spurs and ravines, draining and sloping N. into canyon, approx. 5 chs. dist.

51.50 Ravine, 15 lks. wide, 5 ft. deep, drains N. 20° W., approx. 2.50 chs. thence W. into canyon.

56.25 Ravine, 15 lks. wide, 4 ft. deep, drains N. approx. 4 chs. thence W. into canyon.

69.80 Ravine, 40 lks. wide, 4 ft. deep, drains N. 45° W., approx. 6 chs. thence W. into canyon; also end of series of ravines and spurs, cont. to descend 85 ft. over broken SW slope.

Chains 80.12	<p>The cor. of the sec. 29, 30, 31 and 32.</p> <p>Land: S. portion of canyon, steep, very broken. Soil: Hard packed sandy clay. Brush: None. Timber: None.</p> <hr/> <p>From the cor. of the secs. 29, 30, 31 and 32.</p> <p>S. 89° 51' W., bet. secs. 30 and 31.</p> <p>Over broken bottom of Lockhart basin.</p>
13.40	Enter main wash, 30 lks. wide, 4 ft. deep, course W.
29.35	Leave main wash, course S. 75° W.
40.00	<p>Point for the $\frac{1}{4}$ sec. cor. of the secs. 30 and 31.</p> <p>Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, over 'X' on sandstone bedrock, and in mound of stone, $5\frac{1}{2}$ ft. base to top of post, with brass cap mkd.</p> <div style="text-align: right; margin-right: 100px;"> <p>S 30</p> <hr style="width: 50px; margin: 0 auto;"/> <p>$\frac{1}{4}$ S 31</p> <p>19 54</p> </div> <p>Cor. sets 150 ft. below sec. cor.</p> <p>Cor. is located on E. edge of low spur, and on W. edge of wide, flat wash, draining S. 45° E.</p> <p>Thence ascend 60 ft. over series of low, short spurs and washes, sloping and draining SW. into main wash.</p>
50.00	Leave series of low, short spurs and washes.
56.00	Spur, sloping S. 5° W., thence descend 95 ft. along a W. projection of spur.
63.80	Wash, 10 lks. wide, 1 ft. deep, course S. 80° W., from N. 40° E., cont. to descend 35 ft. over gradual, sandy W. slope.
77.00	Same wash, course N. 80° W.
77.65	<p>The cor. of the secs. of 25, 30, 31 and 36, T. 28 S., Rs. 20 and 21 E., firmly set, mkd. and witnessed as described in the official record of the survey of the east boundary of T. 28 S., R. 20 E.</p> <p>A 2"x4"x4" wood post, mkd. sec. 36, state school section, is located on N. side of corner.</p> <p>Land: Broken bottom of Lockhart basin. Soil: Hard packed sandy clay. Brush: None. Timber: None.</p> <hr/>

General Description

The land in township 28 south, range 21 east, varies from rolling mesa top to rough broken mesa slopes and rims. The mesa top, locally known as Hatch Point, corners the major portion and breaks off to the west towards Lookhart Basin. The northeast portion drains north-east into Hatch Wash.

The general elevation of the township ranges from approximately 4750 ft. at the southwest corner to approximately 6250 on the mesa top along the south boundary of the township.

The soil is principally sandy to sandy clay and rocky of sandstone formation. A moderate growth of scrub juniper and pinon is found in the township, being heavier along the mesa rims and very scattered along the central portion. The principal undergrowth is blackbrush, Brigham tea, sage brush, and grass—affording good grazing.

There is an unimproved bladed road, bearing about north and south through the central part, entering on south boundary of section 33, with several branches. No water was noted in the township. Large areas of the township were covered by staked uranium claims.

noted: (page 12).

The following is a list of the names of the persons who were present at the meeting held on the 12th day of May, 1900, at the residence of the said T. 22 N., R. 22 E.

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Page

CERTIFICATE OF CADASTRAL ENGINEER

I, Leland P. Lewis, Cartographic Survey Aid, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 30 day of March, 1954

I have surveyed The South boundary and Portion of Subdivision of

T. 28 S., R. 21 E.

of the Salt Lake Meridian, in the State of Utah, which are represented in the foregoing field notes as having been executed by me and under my direction; and that said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

June 16, 1954

Moab, Utah

Leland P. Lewis

Cartographic Survey Aid

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., APR 11 1955, 1955

The foregoing field notes of the survey of The South boundary and Portion of Subdivision
of T. 28 S., R. 21 E., Salt Lake Meridian, Utah

executed by Leland P. Lewis, Cartographic Survey Aid

having been critically examined and found correct, are hereby approved.

Earl G. Harrington

Chief, Division of Cadastral Engineering.
Cadastral Engineering Staff Officer

CERTIFICATE OF TRANSCRIPT

~~I certify that the foregoing transcript of the field notes of the above described surveys in T. 28 S.,
R. 21 E., SL. Meridian, is a true copy of the original field notes.~~

~~Chief, Division of Cadastral Engineering.~~

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Original

FIELD NOTES

of the

Survey of the South Boundary

and a

Portion of the Subdivisional Lines

of

Fractional Township 28½ South, Range 18 East

Of the Salt Lake Meridian,

In the State of Utah

EXECUTED BY

Paul M. Russell, Cartographic Survey Aid

Under special instructions dated April 19, 1954, which provided
for the surveys included under Group No. 393, approved May 4, 1954
and assignment instructions dated April 4, 1955

Survey commenced June 2, 1955

Survey completed July 5, 1955

INDEX DIAGRAM

Township 28 $\frac{1}{2}$ South, Range 18 East

6	5	4	3	2	1
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19	20	21	22	23	24
30	29	28	27	26	25
31	3	4	34	35	36
1	2	3	33	32	31

Survey of the South Boundary and a Portion of the Subdivisional Lines
of Fractional Township 28 $\frac{1}{2}$ South, Range 18 East

Chains

In 1954, Lynn G. Edmonds surveyed the west boundary of T. 28 $\frac{1}{2}$ S., R. 18 E., Salt Lake Meridian. The record of the survey is contained in the field notes of T. 28 S., R. 17 E.

For the test of the instruments and methods used, see the field notes for T. 27 S., R. 17 E., of this group.

The direction of the lines of survey were determined generally by sustained angulation carried forward from an hour angle observation of Polaris as shown in the field notes of T. 27 S., R. 17 E. and supplemented by numerous altitude observations on the sun taken throughout the work for azimuth and further verified through use of the solar attachment which was at all times maintained in proper adjustment as ascertained by tests on the lines carried forward from the controlling Polaris meridian.

Corners on the east-west lines were set on the true latitudinal curve. Lines connecting previously established corners were run by random and true method but for simplification of the record the random lines are omitted from the field notes.

The geographic position of the southwest corner of the township is latitude 38° 19' 32" N. and longitude 109° 59' 45" W. The mean magnetic declination is 15° 00' E.

Survey of the South Boundary of Township 28 $\frac{1}{2}$ South, Range 18 East

From the corner of Ts. 28 and 29 S., R. 17 E. and Ts. 28 $\frac{1}{2}$ and 29 S., R. 18 E., monumented with a 2 $\frac{1}{2}$ in. iron post, set and marked as described in the official record.

East, between secs. 6 and 31.

Over level desert land.

21.00 Rim of Deadhorse Canyon, bears NE. and SW.; descend 200 ft. over cliff and SE. slope to $\frac{1}{4}$ sec. cor.

38.86 Point for the $\frac{1}{4}$ sec. cor. of secs. 6 and 31.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 3 ins. in the ground to solid rock, and in a mound of stone to top, with brass cap mkd.

$\frac{1}{4}$ S 31
S 6

1955

Descend 40 ft. over E. slope.

62.30 Main wash of Deadhorse Canyon, 2 chs. wide, 1 ft. deep, course NE.; ascend 45 ft. over NW. slope to cor.

68.20 Small wash, drains NNW.

78.86 Point for the cor. of secs. 5, 6, 31 and 32.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 18 ins. in the ground to solid rock, and in a mound of stone to top, with brass cap mkd.

T28 $\frac{1}{2}$ S R18E
S31|S32
S6|S5
T29S
1955

South Boundary of Township 28½ South, Range 18 East

Chains

Land, rough broken.
Soil, sandy, shale.
Timber, none; undergrowth, sparse grass.

East, between secs. 5 and 32,

Ascend 45 ft. over broken NW. slope.

2.30 Small wash, drains N.

13.50 Small wash, in narrow canyon, drains W.

40.00 Point for the ¼ sec. cor. of secs. 5 and 32.

Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to solid rock, and in a mound of stone to top, with brass cap mkd.

$$\begin{array}{r} \frac{1}{4} \text{ S } 32 \\ \frac{1}{4} \text{ S } 5 \\ 1955 \end{array}$$

Descend 170 ft. over sandstone E. slope.

54.04 Point selected for the witness meander cor. of secs. 5 and 32.

Set an iron post, 30 ins. long, 2½ ins. diam., over X cut in solid rock, and in a mound of stone to top, with brass cap mkd.

$$\begin{array}{r} \text{W C} \\ \text{T28½ S R18E} \\ \frac{\text{S32}}{\text{S5}} \text{ M C} \\ \text{T29S} \\ 1955 \end{array}$$

55.04 True point for the meander cor. of secs. 5 and 32, on the right bank of the Green River, course S., liable to destruction during high water.

Land, broken.
Soil, sandy and rocky.
Timber, none; undergrowth, sparse grass.

Partial Subdivision of Township 28½ South, Range 18 East

From the cor. of secs. 5, 6, 31 and 32, on the S. bdy. of the township.

N. 0° 01' E., between secs. 31 and 32.

Descend 50 ft. over NW. slope.

6.00 Main wash in Deadhorse Canyon, 2 chs. wide, 2 ft. deep, course S. 70° E. ; ascend 200 ft. over SE. slope.

40.00 Point for the ¼ sec. cor. of secs. 31 and 32, falls on face of sandstone cliff, impossible to occupy.

41.62 Point selected for the witness ¼ sec. cor. of secs. 31 and 32, on top of rim of Deadhorse Canyon; rim bears NE. and SW.

Set an iron post, 14 ins. long, 1 in. diam., drilled 6 ins. in solid rock, with brass cap mkd.

Partial Subdivision of Township 28 $\frac{1}{2}$ South, Range 18 East

Chains

$$\begin{array}{c} \frac{1}{4} \\ S31 | S32 \\ W C \\ 1955 \end{array}$$

Ascend 30 ft. over ESE. slope.

65.00 Slope changes to NE.; descend 60 ft. to cor.

76.70 Begin white sandstone formation.

80.00 Point for the cor. of secs. 29, 30, 31 and 32.

Set an iron post, 14 ins. long, 1 in. diam., drilled 4 ins. in solid rock, with brass cap mkd.

$$\begin{array}{c} T28\frac{1}{2}S R18E \\ S30 | S29 \\ S31 | S32 \\ 1955 \end{array}$$

Land, broken.

Soil, rocky.

Timber, none; undergrowth, sparse grass.

T

East, between secs. 29 and 32.

1.00 Rim of canyon overlooking Green River, bears NW. and SE.; descend 560 ft. over cliff and NE. slope to $\frac{1}{4}$ sec. cor.40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 29 and 32.Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 6 ins. in the ground to solid rock, and in a mound of stone to top, with brass cap mkd.
$$\begin{array}{c} \frac{1}{4} \frac{S 29}{S 32} \\ 1955 \end{array}$$

44.23 Point selected for the witness meander cor. of secs. 29 and 32.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 20 ins. in the ground, with brass cap mkd.
$$\begin{array}{c} W C \\ T28\frac{1}{2}S \\ R18E \\ S29 \backslash \\ S32 \backslash M C \\ 1955 \end{array}$$

deposit broken glass at base of post.

Continue line through thick willows.

49.25 True point for the meander cor. of secs. 29 and 32, on the right bank of the Green River, liable to destruction during high water.

Thence with the meanders of the Green River; downstream in sec. 32.

S. 53° 00' E., 10.00 chs.

N. 82° 15' E., 16.00 chs.

Partial Subdivision of Township 28¹ South, Range 18 East

Chains	
	<p>N. 48° 10' E., 5.78 chs. Point for the meander cor. of secs. 29 and 32, on right bank of Green River; 77.40 chs. E. of the cor. of secs. 29, 30, 31 and 32.</p>
77.40	<p>Set an iron post, 30 ins. long, 2$\frac{1}{2}$ ins. diam., 4 ins. in the ground to solid rock, and in a mound of stone to top, with brass cap mkd.</p>
	<p style="text-align: center;"> T28$\frac{1}{2}$S R18E M C / S29 S32 1955 </p>
	<p>Corner sets on bank 6 ft. high; continue line east between secs. 29 and 32; ascend 120 ft. over rocky NW. slope.</p>
80.00	<p>True point for the cor. of secs. 28, 29, 32 and 33, falls on NW. slope of cliff where it is impossible to establish a monument.</p> <p>Land, broken, river bottom. Soil, rocky, sandy in river bottom. Timber, none; undergrowth, willows along river.</p>
	<p>S. 0° 01' W., between secs. 32 and 33.</p> <p>Ascend over cliff, 50 ft. high.</p>
.57	<p>Point selected for the witness cor. of secs. 28, 29, 32 and 33, on top of cliff.</p> <p>Set an iron post, 30 ins. long, 2$\frac{1}{2}$ ins. diam., over X cut in solid rock, and in a mound of stone to top, with brass cap mkd.</p>
	<p style="text-align: center;"> T28$\frac{1}{2}$S R18E S29 S28 S32 S33 W C 1955 </p>
	<p>Descend 100 ft. over gentle S. slope.</p>
22.60	<p>Top of cliff, 70 ft. high.</p>
24.03	<p>Point selected for the witness meander cor. of secs. 32 and 33.</p> <p>Set an iron post, 30 ins. long, 2$\frac{1}{2}$ ins. diam., over X cut in solid rock, and in a mound of stone to top, with brass cap mkd.</p>
	<p style="text-align: center;"> W C T28$\frac{1}{2}$S R18E S32 S33 M C 1955 </p>
26.03	<p>True point for the meander cor. of secs. 32 and 33, liable to destruction during high water.</p> <p>Thence with the meanders of the Green River; on right bank, downstream in sec. 32.</p> <p>S. 71° 15' W., 3.30 chs.</p> <p>S. 65° 45' W., 10.60 chs.</p> <p>S. 43° 00' W., 10.20 chs.</p>

Partial Subdivision of Township 28 $\frac{1}{2}$ South, Range 18 East

Chains

S. 28° 15' W., 10.30 chs.

S. 27° 45' W., 6.00 chs.

S. 15° 15' E., 2.80 chs. Mouth of wash in Deadhorse Canyon.

S. 08° 30' E., 1.60 chs.

S. 06° 45' E., 7.70 chs. On bluff, 60 ft. above river.

S. 02° 00' E., 14.70 chs. The true point for the meander cor. of secs. 5 and 32.

Land, mountainous.

Soil, rocky.

Timber, none; undergrowth, willows along river.

General Description

T. 28 $\frac{1}{2}$ S., R. 18 E. is made fractional by the Green River. The main drainage in the township is Deadhorse Canyon, a box canyon with a white sandstone rim about 100 ft. high, there is no way into the canyon except to come back up from the Green River. The canyon enters the township in the SE. $\frac{1}{4}$ of sec. 31 and enters the river in about the middle of sec. 32.

The soil is sand with sandstone outcroppings. In general the terrain is rough mountainous with the NW. portion lying on the Millard Canyon benches. The vegetation consists of sagebrush and grass on the benches and willows along the river bottom.

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Page

FIELD ASSISTANTS

16-58565-2

CERTIFICATE OF CADASTRAL ENGINEER

I, Paul K. Russell, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 19th day of April, 1956

I have surveyed the south boundary and a portion of the subdivisional lines of
T. 28 $\frac{1}{2}$ S., R. 18 E.

of the Salt Lake Meridian, in the State of Utah, which are represented in the foregoing field notes as having been executed by me and under my direction; and that said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

September 21, 1955
Salt Lake City, Utah

Paul K. Russell

Paul K. Russell

Cartographic Survey Aid

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., APR 11 1956, 19

The foregoing field notes of the survey of the south boundary and a portion of the
subdivisional lines of T. 28 $\frac{1}{2}$ S., R. 18 E., Salt Lake Meridian, Utah

executed by Paul K. Russell

having been critically examined and found correct, are hereby approved.

Earl G. Harrington
Chief, Division of Cadastral Engineering
Cadastral Engineering Staff Officer

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in _____
_____, is a true copy of the original field notes.

Chief, Division of Cadastral Engineering